

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Keysight / Agilent 37717-60504* at our website: ***Click HERE***

Self Test
Error Codes

HP 37717C
Communications
Performance Analyzer

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

© Copyright Hewlett-Packard Ltd.1998

All rights reserved. Reproduction, adaption, or translation without prior written permission is prohibited, except as allowed under the copyright laws.

HP Part No. 37717-90412

First edition, 01/98

Printed in U.K.

Documentation Warranty

The information contained in this document is subject to change without notice.

Hewlett-Packard makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties or merchantability and fitness for a particular purpose.

Hewlett-Packard shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Hewlett-Packard Limited
Telecommunications Networks Test Division
South Queensferry
West Lothian, Scotland EH30 9TG

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

Provides a list of self test fail numbers and a brief description of each fault.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

When self test is run fail numbers may be displayed. The fail numbers and a description are listed in the following pages in numerical order.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
711     STM-1 Signal Loss
721     STM-1 Pattern Sync Loss
724     STM-1 Bit Errors
741     STM-1 Signal Loss
751     STM-1 Signal Loss
753     STM-1 No offset - Frequency low
754     STM-1 No offset - Frequency high
761     STM-1 Signal Loss
763     STM-1 +100 ppm - Offset low
764     STM-1 +100 ppm - Offset high
771     STM-1 Signal Loss
773     STM-1 -100 ppm - Offset low
774     STM-1 -100 ppm - Offset high
781     STM-1 Clock Loss
791     STM-1 Ref Clk div ratio=193 but NO Clock Loss
821     STM-1 Signal Loss
831     STM-1 Pattern Sync Loss
834     STM-1 Bit Errors
841     STM-1 Signal Loss
843     STM-1 No offset - Frequency low
844     STM-1 No offset - Frequency high
851     STM-1 Signal Loss
853     STM-1 +100 ppm - Offset low
854     STM-1 +100 ppm - Offset high
861     STM-1 Signal Loss
863     STM-1 -100 ppm - Offset low
864     STM-1 -100 ppm - Offset high
871     STM-1 Frame or Pointer Sync Loss
884     STM-1 B1 BIP Errors
894     STM-1 B2 BIP Errors
911     STM-1 Optical Signal Loss
921     STM-1 Optical alarms present
931     STM-1 Optical Pattern Sync Loss
934     STM-1 Optical Bit Errors
941     STM-1 Optical Pattern Sync Loss
943     STM-1 Optical Bit Error Rate low
944     STM-1 Optical Bit Error Rate high
951     STM-1 Optical No Signal Loss
1010    FEPROM sum-check error
1020    SRAM error
1021    SRAM error
1022    SRAM error
1023    SRAM error
1024    SRAM address error
1040    RS232 DCD stuck low or high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
1041    RS232 RI stuck low or high
1042    RS232 DSR stuck low or high
1043    RS232 CTS stuck low or high
1044    RS232 Rx too many bytes
1045    RS232 Tx time out
1046    RS232 Rx too few bytes
1047    RS232 Tx/Rx data failure
1052    HPIB driver chip fails
1060    RTC set incorrectly
1061    RTC not ticking correctly
1070    Parallel Port failed to send data
1080    Internal printer fails
1081    Keybd proc internal RAM fails
1082    Keybd proc external RAM fails
1083    Keybd proc ROM fails
1084    Front panel no response
1085    Front panel command not ok
1086    Front panel returned an invalid error number
1087    Front panel cpu or UART error
1088    Cannot detect front panel printer
1090    VRAM data error
1100    DISK : no disk in drive
1101    DISK : disk is full
1102    DISK : disk write failure
1103    DISK : disk read failure
1104    DISK : disk verify read/write failure
1110    LAN failed 'power on' test
1111    LAN test returned an invalid error number
1112    No LAN hardware found
1113    LAN fitted, no test result available
1120    Front panel no response
1121    Front panel command not ok
1122    Front panel returned an invalid error number
1123    Dual Port SRAM data error
1124    Dual Port SRAM address error
1130    Front panel no response
1131    Front panel command not ok
1132    Front panel returned an invalid error number
1133    Front panel FEPROM sum-check error
1140    Front panel no response
1141    Front panel command not ok
1142    Front panel returned an invalid error number
1143    Front panel SRAM data error
1144    Front panel SRAM address error
1145    Front panel : requested address range not valid
1150    Front panel no response
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
1151    Front panel command not ok
1152    Front panel returned an invalid error number
1153    Front panel VRAM data error
1154    Front panel stored fonts are corrupted
1155    Front panel : requested address range not valid
1156    Front panel VGA controller error
1160    Front panel no response
1161    Front panel command not ok
1162    Front panel returned an invalid error number
1163    Front panel UART Tx/Rx error (internal loop-back)
1164    Front panel failed to reset internal loop-back
1165    Front panel : operator indicated lid-printer power failure
1166    Front panel UART Tx/Rx error (external loop-back)
1411    JITTER GEN 140Mb/s PRBS23 10UI 2KHz - PDH errors
1419    JITTER GEN 140Mb/s - VCO not settled
1421    JITTER GEN 140Mb/s PRBS23 10UI 5KHz - PDH errors
1431    JITTER GEN 34Mb/s PRBS23 10UI 2KHz - PDH errors
1439    JITTER GEN 34Mb/s - VCO not settled
1441    JITTER GEN 34Mb/s PRBS23 10UI 5KHz - PDH errors
1452    JITTER GEN 34Mb/s PRBS23 10UI 100KHz - no PDH errors
1461    JITTER GEN 8Mb/s PRBS23 10UI 2KHz - PDH errors
1469    JITTER GEN 8Mb/s - VCO not settled
1471    JITTER GEN 8Mb/s PRBS23 10UI 5KHz - PDH errors
1482    JITTER GEN 8Mb/s PRBS23 10UI 50KHz - no PDH errors
1491    JITTER GEN 2Mb/s PRBS23 10UI 2KHz - PDH errors
1499    JITTER GEN 2Mb/s - VCO not settled
2010    UPDH (Unbalanced) Signal Loss
2011    UPDH 139 Mb/s PRBS(23) Pattern loss
2014    UPDH 139 Mb/s PRBS(23) Errors present
2020    UPDH (Unbalanced) Signal Loss
2021    UPDH 34 Mb/s PRBS(23) Pattern loss
2024    UPDH 34 Mb/s PRBS(23) Errors present
2030    UPDH (Unbalanced) Signal Loss
2031    UPDH 8 Mb/s PRBS(15) Pattern loss
2034    UPDH 8 Mb/s PRBS(15) Errors present
2040    UPDH (Unbalanced) Signal Loss
2041    UPDH 2 Mb/s PRBS(15) HDB3 Pattern loss
2044    UPDH 2 Mb/s PRBS(15) HBD3 Errors present
2050    UPDH (Unbalanced) Signal Loss
2051    UPDH 2 Mb/s PRBS(15) AMI Pattern loss
2054    UPDH 2 Mb/s PRBS(15) AMI Errors present
2060    UPDH (Unbalanced) Signal Loss
2061    UPDH 704 kb/s PRBS(15) HDB3 Pattern loss
2064    UPDH 704 kb/s PRBS(15) HBD3 Errors present
2070    UPDH (Unbalanced) Signal Loss
2071    UPDH 704 kb/s PRBS(15) AMI Pattern loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
2074    UPDH 704 kb/s PRBS(15) AMI Errors present
2080    UPDH (Unbalanced) Signal Loss
2081    UPDH 139 Mb/s WORD_2 Pattern loss
2084    UPDH 139 Mb/s WORD_2 Errors present
2090    UPDH (Unbalanced) Signal Loss
2091    UPDH 139 Mb/s WORD_1 Pattern loss
2094    UPDH 139 Mb/s WORD_1 Errors present
2100    UPDH (Unbalanced) Signal Loss
2101    UPDH 704 kb/s WORD_2 AMI Pattern loss
2104    UPDH 704 kb/s WORD_2 AMI Errors present
2110    UPDH (Balanced) Signal Loss
2111    UPDH 2 Mb/s PRBS(15) (Bal) HDB3 Pattern loss
2114    UPDH 2 Mb/s PRBS(15) (Bal) HBD3 Errors present
2120    UPDH (Balanced) Signal Loss
2121    UPDH 704 kb/s WORD_2 (Bal) AMI Pattern loss
2124    UPDH 704 kb/s WORD_2 (Bal) AMI Errors present
2130    UPDH (Unbalanced) Signal Loss
2133    UPDH 704 kb/s - Offset = 0 ppm Result low
2134    UPDH 704 kb/s - Offset = 0 ppm Result high
2140    UPDH (Unbalanced) Signal Loss
2143    UPDH 2 Mb/s - Offset = 0 ppm Result low
2144    UPDH 2 Mb/s - Offset = 0 ppm Result high
2150    UPDH (Unbalanced) Signal Loss
2153    UPDH 8 Mb/s - Offset = 0 ppm Result low
2154    UPDH 8 Mb/s - Offset = 0 ppm Result high
2160    UPDH (Unbalanced) Signal Loss
2163    UPDH 8 Mb/s - Offset = -100 ppm Result low
2164    UPDH 8 Mb/s - Offset = -100 ppm Result high
2170    UPDH (Unbalanced) Signal Loss
2173    UPDH 8 Mb/s - Offset = +100 ppm Result low
2174    UPDH 8 Mb/s - Offset = +100 ppm Result high
2180    UPDH (Unbalanced) Signal Loss
2183    UPDH 34 Mb/s - Offset = 0 ppm Result low
2184    UPDH 34 Mb/s - Offset = 0 ppm Result high
2190    UPDH (Unbalanced) Signal Loss
2193    UPDH 34 Mb/s - Offset = -100 ppm Result low
2194    UPDH 34 Mb/s - Offset = -100 ppm Result high
2200    UPDH (Unbalanced) Signal Loss
2203    UPDH 34 Mb/s - Offset = +100 ppm Result low
2204    UPDH 34 Mb/s - Offset = +100 ppm Result high
2210    UPDH (Unbalanced) Signal Loss
2213    UPDH 140 Mb/s - Offset = 0 ppm Result low
2214    UPDH 140 Mb/s - Offset = 0 ppm Result high
2220    UPDH (Unbalanced) Signal Loss
2223    UPDH 140 Mb/s - Offset = -100 ppm Result low
2224    UPDH 140 Mb/s - Offset = -100 ppm Result high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
2230    UPDH (Unbalanced) Signal Loss
2233    UPDH 140 Mb/s - Offset = +100 ppm Result low
2234    UPDH 140 Mb/s - Offset = +100 ppm Result high
2240    UPDH (Unbalanced) Signal Loss
2243    UPDH 140 Mb/s - Error Add = Off  Result low
2244    UPDH 140 Mb/s - Error Add = Off  Result high
2250    UPDH (Unbalanced) Signal Loss
2253    UPDH 140 Mb/s - Error Add = Single  Result low
2254    UPDH 140 Mb/s - Error Add = Single  Result high
2260    UPDH (Unbalanced) Signal Loss
2263    UPDH 140 Mb/s - Error Add = On  Result low
2264    UPDH 140 Mb/s - Error Add = On  Result high
2273    UPDH 704 kb/s - Clock Recovery   Result low
2274    UPDH 704 kb/s - Clock Recovery   Result high
2283    UPDH 2 Mb/s - Clock Recovery   Result low
2284    UPDH 2 Mb/s - Clock Recovery   Result high
2293    UPDH 8 Mb/s - Clock Recovery   Result low
2294    UPDH 8 Mb/s - Clock Recovery   Result high
2303    UPDH 34 Mb/s - Clock Recovery   Result low
2304    UPDH 34 Mb/s - Clock Recovery   Result high
2313    UPDH 140 Mb/s - Clock Recovery   Result low
2314    UPDH 140 Mb/s - Clock Recovery   Result high
2320    UPDH FAS register write error
2330    UPDH FAS - No signal
2335    UPDH FAS - LCA not locked
2340    UPDH FAS 8 Mb/s - No signal
2341    UPDH FAS 8 Mb/s - Not locked (1)
2344    UPDH FAS 8 Mb/s - Errors present
2345    UPDH FAS 8 Mb/s - Not locked (2)
2350    UPDH FAS 34 Mb/s - No signal
2351    UPDH FAS 34 Mb/s - Not locked (1)
2354    UPDH FAS 34 Mb/s - Errors present
2355    UPDH FAS 34 Mb/s - Not locked (2)
2360    UPDH FAS 140 Mb/s - No signal
2361    UPDH FAS 140 Mb/s - Not locked (1)
2364    UPDH FAS 140 Mb/s - Errors present
2365    UPDH FAS 140 Mb/s - Not locked (2)
2370    UPDH BIN ECL 140 Mb/s Signal Loss
2373    UPDH BIN ECL 140 Mb/s Result low
2374    UPDH BIN ECL 140 Mb/s Result high
2380    UPDH BIN ECL 140 Mb/s Signal Loss
2384    UPDH BIN ECL 140 Mb/s Result high
2390    UPDH BIN TTL 34 Mb/s Signal Loss
2393    UPDH BIN TTL 34 Mb/s Result low
2394    UPDH BIN TTL 34 Mb/s Result high
2400    UPDH BIN TTL 34 Mb/s Signal Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
2404    UPDH BIN TTL 34 Mb/s Result high
2410    UPDH BIN TTL 8 Mb/s Signal Loss
2413    UPDH BIN TTL 8 Mb/s Result low
2414    UPDH BIN TTL 8 Mb/s Result high
2420    UPDH BIN TTL 8 Mb/s Signal Loss
2424    UPDH BIN TTL 8 Mb/s Result high
2430    UPDH BIN TTL 2 Mb/s Signal Loss
2433    UPDH BIN TTL 2 Mb/s Result low
2434    UPDH BIN TTL 2 Mb/s Result high
2440    UPDH BIN TTL 2 Mb/s Signal Loss
2444    UPDH BIN TTL 2 Mb/s Result high
2450    UPDH BIN TTL 704 kb/s Signal Loss
2453    UPDH BIN TTL 704 kb/s Result low
2454    UPDH BIN TTL 704 kb/s Result high
2460    UPDH BIN TTL 704 kb/s Signal Loss
2464    UPDH BIN TTL 704 kb/s Result high
2470    UPDH BIN ECL 140 Mb/s Signal Loss
2474    UPDH BIN ECL 140 Mb/s User Pattern Result high
2480    UPDH BIN TTL 704 kb/s User Pattern Signal Loss
2484    UPDH BIN TTL 704 kb/s User Pattern Result high
2490    UPDH BIN TTL 34 Mb/s User Pattern Signal Loss
2494    UPDH BIN TTL 34 Mb/s User Pattern Result high
3010    SPDH (Unbalanced) Signal Loss
3011    SPDH 140 Mb/s PRBS(23) Pattern loss
3014    SPDH 140 Mb/s PRBS(23) Errors present
3020    SPDH (Unbalanced) Signal Loss
3021    SPDH 140 Mb/s WORD1 Pattern loss
3024    SPDH 140 Mb/s WORD1 Errors present
3030    SPDH (Unbalanced) Signal Loss
3031    SPDH 140 Mb/s WORD2 Pattern loss
3034    SPDH 140 Mb/s WORD2 Errors present
3040    SPDH (Unbalanced) Signal Loss
3041    SPDH 34 Mb/s PRBS(23) HDB3 Pattern loss
3044    SPDH 34 Mb/s PRBS(23) HBD3 Errors present
3050    SPDH (Unbalanced) Signal Loss
3051    SPDH 8 Mb/s PRBS(15) HDB3 Pattern loss
3054    SPDH 8 Mb/s PRBS(15) HDB3 Errors present
3060    SPDH (Unbalanced) Signal Loss
3061    SPDH 2 Mb/S PRBS(15) HDB3 Pattern loss
3064    SPDH 2 Mb/S PRBS(15) HBD3 Errors present
3070    SPDH (Unbalanced) Signal Loss
3071    SPDH 2 Mb/s PRBS(15) AMI Pattern loss
3074    SPDH 2 Mb/s PRBS(15) AMI Errors present
3080    SPDH (Balanced) Signal Loss
3081    SPDH 2 Mb/s PRBS(15) (Bal) HDB3 Pattern loss
3084    SPDH 2 Mb/s PRBS(15) (Bal) HBD3 Errors present
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3090    SPDH (Balanced) Signal Loss
3091    SPDH 2 Mb/s PRBS(15) (Bal) AMI Pattern loss
3094    SPDH 2 Mb/s PRBS(15) (Bal) AMI Errors present
3100    SPDH (Unbalanced) Signal Loss
3102    SPDH 140 Mb/s - Offset = 0 ppm VCXO Not Settled
3103    SPDH 140 Mb/s - Offset = 0 ppm Result low
3104    SPDH 140 Mb/s - Offset = 0 ppm Result high
3110    SPDH (Unbalanced) Signal Loss
3112    SPDH 140 Mb/s - Offset = +100 ppm VCXO Not Settled
3113    SPDH 140 Mb/s - Offset = +100 ppm Result low
3114    SPDH 140 Mb/s - Offset = +100 ppm Result high
3120    SPDH (Unbalanced) Signal Loss
3122    SPDH 140 Mb/s - Offset = -100 ppm VCXO Not Settled
3123    SPDH 140 Mb/s - Offset = -100 ppm Result low
3124    SPDH 140 Mb/s - Offset = -100 ppm Result high
3130    SPDH (Unbalanced) Signal Loss
3132    SPDH 34 Mb/s - Offset = 0 ppm VCXO Not Settled
3133    SPDH 34 Mb/s - Offset = 0 ppm Result low
3134    SPDH 34 Mb/s - Offset = 0 ppm Result high
3140    SPDH (Unbalanced) Signal Loss
3142    SPDH 34 Mb/s - Offset = +100 ppm VCXO Not Settled
3143    SPDH 34 Mb/s - Offset = +100 ppm Result low
3144    SPDH 34 Mb/s - Offset = +100 ppm Result high
3150    SPDH (Unbalanced) Signal Loss
3152    SPDH 34 Mb/s - Offset = -100 ppm VCXO Not Settled
3153    SPDH 34 Mb/s - Offset = -100 ppm Result low
3154    SPDH 34 Mb/s - Offset = -100 ppm Result high
3160    SPDH (Unbalanced) Signal Loss
3162    SPDH 8 Mb/s - Offset = 0 ppm VCXO Not Settled
3163    SPDH 8 Mb/s - Offset = 0 ppm Result low
3164    SPDH 8 Mb/s - Offset = 0 ppm Result high
3170    SPDH (Unbalanced) Signal Loss
3172    SPDH 8 Mb/s - Offset = +100 ppm VCXO Not Settled
3173    SPDH 8 Mb/s - Offset = +100 ppm Result low
3174    SPDH 8 Mb/s - Offset = +100 ppm Result high
3180    SPDH (Unbalanced) Signal Loss
3182    SPDH 8 Mb/s - Offset = -100 ppm VCXO Not Settled
3183    SPDH 8 Mb/s - Offset = -100 ppm Result low
3184    SPDH 8 Mb/s - Offset = -100 ppm Result high
3190    SPDH (Unbalanced) Signal Loss
3192    SPDH 2 Mb/s - Offset = 0 ppm VCXO Not Settled
3193    SPDH 2 Mb/s - Offset = 0 ppm Result low
3194    SPDH 2 Mb/s - Offset = 0 ppm Result high
3200    SPDH (Unbalanced) Signal Loss
3202    SPDH 2 Mb/s - Offset = +100 ppm VCXO Not Settled
3203    SPDH 2 Mb/s - Offset = +100 ppm Result low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3204    SPDH 2 Mb/s - Offset = +100 ppm Result high
3210    SPDH (Unbalanced) Signal Loss
3212    SPDH 2 Mb/s - Offset = -100 ppm VCXO Not Settled
3213    SPDH 2 Mb/s - Offset = -100 ppm Result low
3214    SPDH 2 Mb/s - Offset = -100 ppm Result high
3223    SPDH 34 Mb/s - CODE error add = OFF Result low
3224    SPDH 34 Mb/s - CODE error add = OFF Result high
3226    SPDH 34 Mb/s - CODE error add = OFF Result Invalid
3233    SPDH 34 Mb/s - CODE error add = SINGLE Result low
3234    SPDH 34 Mb/s - CODE error add = SINGLE Result high
3236    SPDH 34 Mb/s - CODE error add = SINGLE Result Invalid
3243    SPDH 34 Mb/s - CODE error add = 1.0E-3 Result low
3244    SPDH 34 Mb/s - CODE error add = 1.0E-3 Result high
3246    SPDH 34 Mb/s - CODE error add = 1.0E-3 Result Invalid
3253    SPDH 34 Mb/s - FAS error add = OFF Result low
3254    SPDH 34 Mb/s - FAS error add = OFF Result high
3256    SPDH 34 Mb/s - FAS error add = OFF Result Invalid
3263    SPDH 34 Mb/s - FAS error add = SINGLE Result low
3264    SPDH 34 Mb/s - FAS error add = SINGLE Result high
3266    SPDH 34 Mb/s - FAS error add = SINGLE Result Invalid
3273    SPDH 34 Mb/s - FAS error add = 1.0E-3 Result low
3274    SPDH 34 Mb/s - FAS error add = 1.0E-3 Result high
3276    SPDH 34 Mb/s - FAS error add = 1.0E-3 Result Invalid
3283    SPDH 34 Mb/s - BIT error add = OFF Result low
3284    SPDH 34 Mb/s - BIT error add = OFF Result high
3286    SPDH 34 Mb/s - BIT error add = OFF Result Invalid
3293    SPDH 34 Mb/s - BIT error add = SINGLE Result low
3294    SPDH 34 Mb/s - BIT error add = SINGLE Result high
3296    SPDH 34 Mb/s - BIT error add = SINGLE Result Invalid
3303    SPDH 34 Mb/s - BIT error add = 1.0E-3 Result low
3304    SPDH 34 Mb/s - BIT error add = 1.0E-3 Result high
3306    SPDH 34 Mb/s - BIT error add = 1.0E-3 Result Invalid
3313    SPDH 2 Mb/s - FAS error add = OFF Result low
3314    SPDH 2 Mb/s - FAS error add = OFF Result high
3316    SPDH 2 Mb/s - FAS error add = OFF Result Invalid
3323    SPDH 2 Mb/s - FAS error add = SINGLE Result low
3324    SPDH 2 Mb/s - FAS error add = SINGLE Result high
3326    SPDH 2 Mb/s - FAS error add = SINGLE Result Invalid
3333    SPDH 2 Mb/s - FAS error add = 1.0E-3 Result low
3334    SPDH 2 Mb/s - FAS error add = 1.0E-3 Result high
3336    SPDH 2 Mb/s - FAS error add = 1.0E-3 Result Invalid
3343    SPDH 2 Mb/s - BIT error add = OFF Result low
3344    SPDH 2 Mb/s - BIT error add = OFF Result high
3346    SPDH 2 Mb/s - BIT error add = OFF Result Invalid
3353    SPDH 2 Mb/s - BIT error add = SINGLE Result low
3354    SPDH 2 Mb/s - BIT error add = SINGLE Result high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3356    SPDH 2 Mb/s - BIT error add = SINGLE Result Invalid
3363    SPDH 2 Mb/s - BIT error add = 1.0E-3 Result low
3364    SPDH 2 Mb/s - BIT error add = 1.0E-3 Result high
3366    SPDH 2 Mb/s - BIT error add = 1.0E-3 Result Invalid
3377    SPDH 140 Mb/s Unframed - Loss Of Frame Detected
3386    SPDH 140 Mb/s Framed - Loss Of Frame Not Detected
3387    SPDH 140 Mb/s Framed - Loss Of Frame Detected
3396    SPDH 2 Mb/s Unframed - Loss Of Frame Not Detected
3397    SPDH 2 Mb/s Unframed - Loss Of Frame Detected
3406    SPDH 2 Mb/s PCM30 - Loss Of Frame Not Detected
3407    SPDH 2 Mb/s PCM30 - Loss Of Frame Detected
3408    SPDH 2 Mb/s PCM30 - Loss Of Multiframe Not Detected
3409    SPDH 2 Mb/s PCM30 - Loss Of Multiframe Detected
3416    SPDH 2 Mb/s PCM31 - Loss Of Frame Not Detected
3417    SPDH 2 Mb/s PCM31 - Loss Of Frame Detected
3426    SPDH 2 Mb/s PCM30CRC - Loss Of Frame Not Detected
3427    SPDH 2 Mb/s PCM30CRC - Loss Of Frame Detected
3428    SPDH 2 Mb/s PCM30CRC - Loss Of Multiframe Not Detected
3429    SPDH 2 Mb/s PCM30CRC - Loss Of Multiframe Detected
3436    SPDH 2 Mb/s PCM31CRC - Loss Of Frame Not Detected
3437    SPDH 2 Mb/s PCM31CRC - Loss Of Frame Detected
3446    SPDH 2 Mb/s Drop - Loss Of Frame Not Detected
3447    SPDH 2 Mb/s Drop - Loss Of Frame Detected
3448    SPDH 2 Mb/s Drop - Loss Of Multiframe Not Detected
3449    SPDH 2 Mb/s Drop - Loss Of Multiframe Detected
3451    SPDH 140 Mb/s struct 34 Mb/s - Pattern Loss
3454    SPDH 140 Mb/s struct 34 Mb/s - Pattern Errors Present
3461    SPDH 140 Mb/s struct 8 Mb/s - Pattern Loss
3464    SPDH 140 Mb/s struct 8 Mb/s - Pattern Errors Present
3471    SPDH 140 Mb/s struct 2 Mb/s - Pattern Loss
3474    SPDH 140 Mb/s struct 2 Mb/s - Pattern Errors Present
3481    SPDH 140 Mb/s struct 64 kb/s - Pattern Loss
3484    SPDH 140 Mb/s struct 64 kb/s - Pattern Errors Present
3491    SPDH 140 Mb/s struct Nx64 kb/s (odd channels) - Pattern Loss
3494    SPDH 140 Mb/s struct Nx64 kb/s (odd channels) - Pattern Errors Present
3501    SPDH 140 Mb/s struct Nx64 kb/s (even channels) - Pattern Loss
3504    SPDH 140 Mb/s struct Nx64 kb/s (even channels) - Pattern Errors Present
3511    SPDH 34 Mb/s struct 8 Mb/s - Pattern Loss
3514    SPDH 34 Mb/s struct 8 Mb/s - Pattern Errors Present
3521    SPDH 34 Mb/s struct 2 Mb/s - Pattern Loss
3524    SPDH 34 Mb/s struct 2 Mb/s - Pattern Errors Present
3531    SPDH 8 Mb/s struct 2 Mb/s - Pattern Loss
3534    SPDH 8 Mb/s struct 2 Mb/s - Pattern Errors Present
3541    SPDH 140 Mb/s Unframed - PRBS(9) INV Pattern Loss
3544    SPDH 140 Mb/s Unframed - PRBS(9) INV Pattern Errors Present
3551    SPDH 140 Mb/s Unframed - PRBS(11) NON-INV Pattern Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

3554	SPDH 140 Mb/s Unframed - PRBS(11) NON-INV Pattern Errors Present
3561	SPDH 140 Mb/s Unframed - PRBS(15) INV Pattern Loss
3564	SPDH 140 Mb/s Unframed - PRBS(15) INV Pattern Errors Present
3571	SPDH 140 Mb/s Unframed - PRBS(23) NON-INV Pattern Loss
3574	SPDH 140 Mb/s Unframed - PRBS(23) NON-INV Pattern Errors Present
3581	SPDH 140 Mb/s Unframed - User Word Pattern Loss
3584	SPDH 140 Mb/s Unframed - User Word Pattern Errors Present
3591	SPDH 2 Mb/s Unframed - PRBS(9) NON-INV Pattern Loss
3594	SPDH 2 Mb/s Unframed - PRBS(9) NON-INV Pattern Errors Present
3601	SPDH 2 Mb/s Unframed - PRBS(11) INV Pattern Loss
3604	SPDH 2 Mb/s Unframed - PRBS(11) INV Pattern Errors Present
3611	SPDH 2 Mb/s Unframed - PRBS(15) NON-INV Pattern Loss
3614	SPDH 2 Mb/s Unframed - PRBS(15) NON-INV Pattern Errors Present
3621	SPDH 2 Mb/s Unframed - PRBS(23) INV Pattern Loss
3624	SPDH 2 Mb/s Unframed - PRBS(23) INV Pattern Errors Present
3631	SPDH 2 Mb/s Unframed - User Word Pattern Loss
3634	SPDH 2 Mb/s Unframed - User Word Pattern Errors Present
3641	SPDH 8 Mb/s struct 2 Mb/s insert/drop - Insert Port Not Settled
3644	SPDH 8 Mb/s struct 2 Mb/s insert/drop - Drop Port Not Settled
3651	SPDH 140 Mb/s struct 64 kb/s delay = 0s - Result Invalid
3652	SPDH 140 Mb/s struct 64 kb/s delay = 0s - Timeout
3653	SPDH 140 Mb/s struct 64 kb/s delay = 0s - Result low
3654	SPDH 140 Mb/s struct 64 kb/s delay = 0s - Result high
3661	SPDH 140 Mb/s struct 64 kb/s delay = 2s - Result Invalid
3662	SPDH 140 Mb/s struct 64 kb/s delay = 2s - Timeout
3663	SPDH 140 Mb/s struct 64 kb/s delay = 2s - Result low
3664	SPDH 140 Mb/s struct 64 kb/s delay = 2s - Result high
3671	SPDH 34 Mb/s struct 64 kb/s delay = 0s - Result Invalid
3672	SPDH 34 Mb/s struct 64 kb/s delay = 0s - Timeout
3673	SPDH 34 Mb/s struct 64 kb/s delay = 0s - Result low
3674	SPDH 34 Mb/s struct 64 kb/s delay = 0s - Result high
3681	SPDH 34 Mb/s struct 64 kb/s delay = 2s - Result Invalid
3682	SPDH 34 Mb/s struct 64 kb/s delay = 2s - Timeout
3683	SPDH 34 Mb/s struct 64 kb/s delay = 2s - Result low
3684	SPDH 34 Mb/s struct 64 kb/s delay = 2s - Result high
3691	SPDH 8 Mb/s struct 64 kb/s delay = 0s - Result Invalid
3692	SPDH 8 Mb/s struct 64 kb/s delay = 0s - Timeout
3693	SPDH 8 Mb/s struct 64 kb/s delay = 0s - Result low
3694	SPDH 8 Mb/s struct 64 kb/s delay = 0s - Result high
3701	SPDH 8 Mb/s struct 64 kb/s delay = 2s - Result Invalid
3702	SPDH 8 Mb/s struct 64 kb/s delay = 2s - Timeout
3703	SPDH 8 Mb/s struct 64 kb/s delay = 2s - Result low
3704	SPDH 8 Mb/s struct 64 kb/s delay = 2s - Result high
3711	SPDH 2 Mb/s struct 64 kb/s delay = 0s - Result Invalid
3712	SPDH 2 Mb/s struct 64 kb/s delay = 0s - Timeout
3713	SPDH 2 Mb/s struct 64 kb/s delay = 0s - Result low

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3714    SPDH 2 Mb/s struct 64 kb/s delay = 0s - Result high
3721    SPDH 2 Mb/s struct 64 kb/s delay = 2s - Result Invalid
3722    SPDH 2 Mb/s struct 64 kb/s delay = 2s - Timeout
3723    SPDH 2 Mb/s struct 64 kb/s delay = 2s - Result low
3724    SPDH 2 Mb/s struct 64 kb/s delay = 2s - Result high
3730    SPDH BIN ECL 140 Mb/s Signal Loss
3731    SPDH BIN ECL 140 Mb/s Pattern Loss
3733    SPDH BIN ECL 140 Mb/s Result low
3734    SPDH BIN ECL 140 Mb/s Result high
3740    SPDH BIN ECL 140 Mb/s Signal Loss
3741    SPDH BIN ECL 140 Mb/s Pattern Loss
3744    SPDH BIN ECL 140 Mb/s Result high
3750    SPDH BIN TTL 34 Mb/s Signal Loss
3751    SPDH BIN TTL 34 Mb/s Pattern Loss
3753    SPDH BIN TTL 34 Mb/s Result low
3754    SPDH BIN TTL 34 Mb/s Result high
3760    SPDH BIN TTL 34 Mb/s Signal Loss
3761    SPDH BIN TTL 34 Mb/s Pattern Loss
3764    SPDH BIN TTL 34 Mb/s Result high
3770    SPDH BIN TTL 8 Mb/s Signal Loss
3771    SPDH BIN TTL 8 Mb/s Pattern Loss
3773    SPDH BIN TTL 8 Mb/s Result low
3774    SPDH BIN TTL 8 Mb/s Result high
3780    SPDH BIN TTL 8 Mb/s Signal Loss
3781    SPDH BIN TTL 8 Mb/s Pattern Loss
3784    SPDH BIN TTL 8 Mb/s Result high
3790    SPDH BIN TTL 2 Mb/s Signal Loss
3791    SPDH BIN TTL 2 Mb/s Pattern Loss
3793    SPDH BIN TTL 2 Mb/s Result low
3794    SPDH BIN TTL 2 Mb/s Result high
3800    SPDH BIN TTL 2 Mb/s Signal Loss
3801    SPDH BIN TTL 2 Mb/s Pattern Loss
3804    SPDH BIN TTL 2 Mb/s Result high
3810    SPDH BIN ECL 140 Mb/s Signal Loss
3811    SPDH BIN ECL 140 Mb/s Pattern Loss
3814    SPDH BIN ECL 140 Mb/s User Pattern Result high
3820    SPDH BIN TTL 34 Mb/s User Pattern Signal Loss
3821    SPDH BIN TTL 34 Mb/s User Pattern Pattern Loss
3824    SPDH BIN TTL 34 Mb/s User Pattern Result high
3830    SPDH (Unbalanced) Signal Loss
3831    SPDH DS3 PRBS(23) Pattern Loss
3834    SPDH DS3 PRBS(23) Errors present
3840    SPDH (Unbalanced) Signal Loss
3841    SPDH DS3 WORD1 Pattern Loss
3844    SPDH DS3 WORD1 Errors present
3850    SPDH (Unbalanced) Signal Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3851    SPDH DS3 WORD2 Pattern Loss
3854    SPDH DS3 WORD2 Errors present
3860    SPDH (Unbalanced) Signal Loss
3861    SPDH DS1 PRBS(20) Pattern Loss
3864    SPDH DS1 PRBS(20) Errors present
3870    SPDH (Balanced) Signal Loss
3871    SPDH DS1 PRBS(15) (Bal) B8ZS Pattern Loss
3874    SPDH DS1 PRBS(15) (Bal) B8ZS Errors Present
3880    SPDH (Balanced) Signal Loss
3881    SPDH DS1 QRSS (Bal) AMI Pattern Loss
3884    SPDH DS1 QRSS (Bal) AMI Errors Present
3890    SPDH (Unbalanced) Signal Loss
3891    SPDH DS3 - Offset = 0 ppm VCXO Not Settled
3893    SPDH DS3 - Offset = 0 ppm Result low
3894    SPDH DS3 - Offset = 0 ppm Result high
3900    SPDH (Unbalanced) Signal Loss
3901    SPDH DS3 - Offset = +100 ppm VCXO Not Settled
3903    SPDH DS3 - Offset = +100 ppm Result low
3904    SPDH DS3 - Offset = +100 ppm Result high
3910    SPDH (Unbalanced) Signal Loss
3911    SPDH DS3 - Offset = -100 ppm VCXO Not Settled
3913    SPDH DS3 - Offset = -100 ppm Result low
3914    SPDH DS3 - Offset = -100 ppm Result high
3920    SPDH (Unbalanced) Signal Loss
3921    SPDH DS1 - Offset = 0 ppm VCXO Not Settled
3923    SPDH DS1 - Offset = 0 ppm Result low
3924    SPDH DS1 - Offset = 0 ppm Result high
3930    SPDH (Unbalanced) Signal Loss
3931    SPDH DS1 - Offset = +100 ppm VCXO Not Settled
3933    SPDH DS1 - Offset = +100 ppm Result low
3934    SPDH DS1 - Offset = +100 ppm Result high
3940    SPDH (Unbalanced) Signal Loss
3941    SPDH DS1 - Offset = -100 ppm VCXO Not Settled
3943    SPDH DS1 - Offset = -100 ppm Result low
3944    SPDH DS1 - Offset = -100 ppm Result high
3953    SPDH DS3 - CODE error add = OFF Result low
3954    SPDH DS3 - CODE error add = OFF Result high
3956    SPDH DS3 - CODE error add = OFF Result Invalid
3963    SPDH DS3 - CODE error add = SINGLE Result low
3964    SPDH DS3 - CODE error add = SINGLE Result high
3966    SPDH DS3 - CODE error add = SINGLE Result Invalid
3973    SPDH DS3 - CODE error add = 1.0E-3 Result low
3974    SPDH DS3 - CODE error add = 1.0E-3 Result high
3976    SPDH DS3 - CODE error add = 1.0E-3 Result Invalid
3983    SPDH DS3 - FAS error add = OFF Result low
3984    SPDH DS3 - FAS error add = OFF Result high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
3986    SPDH DS3 - FAS error add = OFF Result Invalid
3993    SPDH DS3 - FAS error add = SINGLE Result low
3994    SPDH DS3 - FAS error add = SINGLE Result high
3996    SPDH DS3 - FAS error add = SINGLE Result Invalid
7101    ODL not running
7102    STM-1 POH Test Failed
7104    STM-1 SOH Test Failed
7111    STM-1 VC-4 POH message failure
7121    STM-1 Frame or Pointer Sync Loss
7123    STM-1 B1 BIP Errors low
7124    STM-1 B1 BIP Errors high
7131    STM-1 Frame or Pointer Sync Loss
7133    STM-1 B2 BIP Errors low
7134    STM-1 B2 BIP Errors high
7141    STM-1 Frame or Pointer Sync Loss
7143    STM-1 B3 BIP Errors low
7144    STM-1 B3 BIP Errors high
7151    STM-1 Frame or Pointer Sync Loss
7153    STM-1 (M1) MS-REI Errors low
7154    STM-1 (M1) MS-REI Errors high
7161    STM-1 Frame or Pointer Sync Loss
7163    STM-1 (Z5) AU-4 HP-IEC Errors low
7164    STM-1 (Z5) AU-4 HP-IEC Errors high
7171    STM-1 Frame A1A2 errors OFF, LOF
7172    STM-1 Frame A1A2 1 in 4 errors, LOF
7173    STM-1 Frame A1A2 2 in 4 errors, LOF
7174    STM-1 Frame A1A2 3 in 4 errors, LOF
7175    STM-1 Frame A1A2 4 in 4 errors, NO LOF
7176    STM-1 Frame A1A2 3 in 4 errors, NO LOF
7177    STM-1 Frame A1A2 2 in 4 errors, LOF
7178    STM-1 Frame A1A2 1 in 4 errors, LOF
7179    STM-1 Frame A1A2 errors OFF, LOF
7181    STM-1 140M Pattern Sync loss
7183    STM-1 140M Bit Errors low
7184    STM-1 140M Bit Errors high
7191    STM-1 140M +100ppm Pattern Sync loss
7193    STM-1 140M +100ppm Bit Errors low
7194    STM-1 140M +100ppm Bit Errors high
7201    STM-1 140M -100ppm Pattern Sync loss
7203    STM-1 140M -100ppm Bit Errors low
7204    STM-1 140M -100ppm Bit Errors high
7211    STM-1 VC-3 POH message failure
7221    STM-1 Frame or Pointer Sync Loss
7223    STM-1 VC-3 B3 BIP Errors low
7224    STM-1 VC-3 B3 BIP Errors high
7231    STM-1 Frame or Pointer Sync Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
7233    STM-1 VC-3 LP-REI Errors low
7234    STM-1 VC-3 LP-REI Errors high
7241    STM-1 TU3 Pattern Sync loss
7243    STM-1 TU3 Bit Errors low
7244    STM-1 TU3 Bit Errors high
7251    STM-1 TU3 TUG[2] Pattern Sync loss
7261    STM-1 TU3 TUG[1] 01010110 Pattern Sync loss
7262    STM-1 TU3 TUG[3] 00001110 Pattern Sync loss
7271    STM-1 TU12 Async, Frame or Pointer Sync Loss
7284    STM-1 TU12 Async, B1 BIP Errors
7294    STM-1 TU12 Async, B2 BIP Errors
7304    STM-1 TU12 Async, B3 BIP Errors
7314    STM-1 TU12 Async, HP-REI Errors
7324    STM-1 TU12 Async, VC-12 V5 BIP Errors
7334    STM-1 TU12 Async, VC-12 V5 LP-REI Errors
7341    STM-1 TU12 Fl Byte sync, Frame or Pointer Sync Loss
7354    STM-1 TU12 Fl Byte sync, B1 BIP Errors
7364    STM-1 TU12 Fl Byte sync, B2 BIP Errors
7374    STM-1 TU12 Fl Byte sync, B3 BIP Errors
7384    STM-1 TU12 Fl Byte sync, HP-REI Errors
7394    STM-1 TU12 Fl Byte sync, VC-12 V5 BIP Errors
7404    STM-1 TU12 Fl Byte sync, VC-12 V5 LP-REI Errors
7411    STM-1 Frame or Pointer Sync Loss
7413    STM-1 VC-12 V5 BIP Error Rate low
7414    STM-1 VC-12 V5 BIP Error Rate high
7421    STM-1 Frame or Pointer Sync Loss
7423    STM-1 VC-12 V5 LP-REI Error Rate low
7424    STM-1 VC-12 V5 LP-REI Error Rate high
7431    STM-1 TU12 Async, Pattern Sync loss
7433    STM-1 TU12 Async, Bit Errors low
7434    STM-1 TU12 Async, Bit Errors high
7441    STM-1 TU12 Fl Byte sync, Pattern Sync loss
7443    STM-1 TU12 Fl Byte sync, Bit Errors low
7444    STM-1 TU12 Fl Byte sync, Bit Errors high
7451    STM-1 140M PRBS 23 Pattern Sync Loss
7453    STM-1 140M PRBS 23 Bit Errors low
7454    STM-1 140M PRBS 23 Bit Errors high
7461    STM-1 TU3 PRBS 15 Pattern Sync Loss
7463    STM-1 TU3 PRBS 15 Bit Errors low
7464    STM-1 TU3 PRBS 15 Bit Errors high
7471    STM-1 TU12 1100010011110110 Pattern Sync Loss
7473    STM-1 TU12 1100010011110110 Bit Errors low
7474    STM-1 TU12 1100010011110110 Bit Errors high
7481    STM-1 TU2 PRBS 9 Pattern Sync Loss
7483    STM-1 TU2 PRBS 9 Bit Errors low
7484    STM-1 TU2 PRBS 9 Bit Errors high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
7491    STM-1 TU12 Background Pattern same as Test Pattern
7501    STM-1 TU12 Background Pattern failure
7511    STM-1 TU2 Pattern Sync loss
7513    STM-1 TU2 Bit Errors low
7514    STM-1 TU2 Bit Errors high
7521    STM-1 140M Freq Off Ptr Mvts: Frame Sync Loss
7531    STM-1 140M Freq Off Ptr Mvts: Pointer Sync Loss
7544    STM-1 140M Freq Off Ptr Mvts: B1 BIP Errors
7554    STM-1 140M Freq Off Ptr Mvts: B2 BIP Errors
7564    STM-1 140M Freq Off Ptr Mvts: B3 BIP Errors
7573    STM-1 140M Freq Off Ptr Mvts: +100ppm, Imp VC Offset low
7574    STM-1 140M Freq Off Ptr Mvts: +100ppm, Imp VC Offset high
7583    STM-1 140M Freq Off Ptr Mvts: -100ppm, Imp VC Offset low
7584    STM-1 140M Freq Off Ptr Mvts: -100ppm, Imp VC Offset high
7591    STM-1 TU3 Freq Off Ptr Mvts: Frame Sync Loss
7601    STM-1 TU3 Freq Off Ptr Mvts: Pointer Sync Loss
7614    STM-1 TU3 Freq Off Ptr Mvts: B1 BIP Errors
7624    STM-1 TU3 Freq Off Ptr Mvts: B2 BIP Errors
7634    STM-1 TU3 Freq Off Ptr Mvts: B3 BIP Errors
7644    STM-1 TU3 Freq Off Ptr Mvts: TU BIP Errors
7653    STM-1 TU3 Freq Off Ptr Mvts: +100ppm, Imp VC Offset low
7654    STM-1 TU3 Freq Off Ptr Mvts: +100ppm, Imp VC Offset high
7663    STM-1 TU3 Freq Off Ptr Mvts: -100ppm, Imp VC Offset low
7664    STM-1 TU3 Freq Off Ptr Mvts: -100ppm, Imp VC Offset high
7671    STM-1 TU12 Freq Off Ptr Mvts: Frame Sync Loss
7681    STM-1 TU12 Freq Off Ptr Mvts: Pointer Sync Loss
7694    STM-1 TU12 Freq Off Ptr Mvts: B1 BIP Errors
7704    STM-1 TU12 Freq Off Ptr Mvts: B2 BIP Errors
7714    STM-1 TU12 Freq Off Ptr Mvts: B3 BIP Errors
7724    STM-1 TU12 Freq Off Ptr Mvts: TU BIP Errors
7733    STM-1 TU12 Freq Off Ptr Mvts: +100ppm, Imp VC Offset low
7734    STM-1 TU12 Freq Off Ptr Mvts: +100ppm, Imp VC Offset high
7743    STM-1 TU12 Freq Off Ptr Mvts: -100ppm, Imp VC Offset low
7744    STM-1 TU12 Freq Off Ptr Mvts: -100ppm, Imp VC Offset high
7751    STM-1 Thru Mode - No H4 Frame Alignment
7761    STM-1 RSOH DCC Test Failure
7771    STM-1 MSOH DCC Test Failure
7781    STM-1 AU-4 Bulk TX, AU-4 Unfrm RX : Fail to get PSL
7782    STM-1 AU-4 Bulk: Pattern Sync Loss
7791    STM-1 TU-3 Bulk TX, AU-4 Unfrm RX : Fail to get PSL
7792    STM-1 TU-3 Bulk: Pattern Sync Loss
7801    STM-1 TU-12 Bulk TX, AU-4 Unfrm RX : Fail to get PSL
7802    STM-1 TU-12 Bulk: Pattern Sync Loss
7811    STM-1 DS-3 Unfrm TX, AU-4 Unfrm RX : Fail to get PSL
7812    STM-1 DS-3 Unfrm: Pattern Sync Loss
7821    STM-1 DS-3 M13 TX, AU-4 Unfrm RX : Fail to get PSL
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
7822    STM-1 DS-3 M13: Pattern Sync Loss
7831    STM-1 DS-3 C-Bit TX, AU-4 Unfrm RX : Fail to get PSL
7832    STM-1 DS-3 C-Bit: Pattern Sync Loss
7841    STM-1 DS-1 Unfrm TX, AU-4 Unfrm RX : Fail to get PSL
7842    STM-1 DS-1 Unfrm: Pattern Sync Loss
7851    STM-1 DS-1 D4 TX, AU-4 Unfrm RX : Fail to get PSL
7852    STM-1 DS-1 D4: Pattern Sync Loss
7861    STM-1 DS-1 ESF TX, AU-4 Unfrm RX : Fail to get PSL
7862    STM-1 DS-1 ESF: Pattern Sync Loss
7871    STM-1 DS-1 SLC-96 TX, AU-4 Unfrm RX : Fail to get PSL
7872    STM-1 DS-1 SLC-96: Pattern Sync Loss
7881    STM-1 AU-4 J0 message failure
7891    STM-1 AU-4 Bulk PRBS 11 Pattern Sync Loss
7893    STM-1 AU-4 Bulk PRBS 11 Bit Errors low
7894    STM-1 AU-4 Bulk PRBS 11 Bit Errors high
7901    STM-1 TU-3 Bulk PRBS 9 Pattern Sync Loss
7903    STM-1 TU-3 Bulk PRBS 9 Bit Errors low
7904    STM-1 TU-3 Bulk PRBS 9 Bit Errors high
7911    STM-1 TU-12 Bulk 1100010011110110 Pattern Sync Loss
7913    STM-1 TU-12 Bulk 1100010011110110 Bit Errors low
7914    STM-1 TU-12 Bulk 1100010011110110 Bit Errors high
7921    STM-1 DS-3 Unfrm PRBS 20 Pattern Sync Loss
7923    STM-1 DS-3 Unfrm PRBS 20 Bit Errors low
7924    STM-1 DS-3 Unfrm PRBS 20 Bit Errors high
7931    STM-1 DS-1 Unfrm QRSS Pattern Sync Loss
7933    STM-1 DS-1 Unfrm QRSS Bit Errors low
7934    STM-1 DS-1 Unfrm QRSS Bit Errors high
7941    STM-1 TU-3 Mixed Payl: TUG3#2 TU-12 mapping shows PSL
7945    STM-1 TU-3 Mixed Payl: TUG3#2 TU-12 mapping shows TU-AIS"
7946    STM-1 TU-3 Mixed Payl: TUG3#2 TU-12 mapping shows LP-RDI
7947    STM-1 TU-3 Mixed Payl: TUG3#2 TU-12 mapping shows TU-LOP"
7951    STM-1 TU-3 Mixed Payl: TUG3#1 TU-3 mapping shows PSL
7961    STM-1 TU-3 Mixed Payl: TUG3#3 TU-3 mapping shows PSL
7971    STM-1 TU-12 Mixed Payl: TUG3#1 TU-3 mapping shows PSL
7975    STM-1 TU-12 Mixed Payl: TUG3#1 TU-3 mapping shows TU-AIS"
7976    STM-1 TU-12 Mixed Payl: TUG3#1 TU-3 mapping shows LP-RDI
7977    STM-1 TU-12 Mixed Payl: TUG3#1 TU-3 mapping shows TU-LOP"
7981    STM-1 TU-12 Mixed Payl: TUG3#2 TU-12 mapping shows PSL
7991    STM-1 TU-12 Mixed Payl: TUG3#3 TU-12 mapping shows PSL
8104    STM-1 B3 BIP Errors
8114    STM-1 HP-REI Errors
8121    STM-1 VC-4 POH message failure
8131    STM-1 Frame or Pointer Sync Loss
8133    STM-1 B1 BIP Errors low
8134    STM-1 B1 BIP Errors high
8141    STM-1 Frame or Pointer Sync Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
8143    STM-1 B2 BIP Errors low
8144    STM-1 B2 BIP Errors high
8151    STM-1 Frame or Pointer Sync Loss
8153    STM-1 B3 BIP Errors low
8161    STM-1 140M Pattern Sync loss
8163    STM-1 140M Bit Errors low
8164    STM-1 140M Bit Errors high
8171    STM-1 Frame or Pointer Sync Loss
8184    STM-1 B1 BIP Errors
8194    STM-1 B2 BIP Errors
8204    STM-1 VC-3 B3 BIP Errors
8214    STM-1 VC-3 LP-REI Errors
8221    STM-1 VC-3 POH message failure
8231    STM-1 Frame or Pointer Sync Loss
8233    STM-1 VC-3 LP-REI Error Rate low
8234    STM-1 VC-3 LP-REI Error Rate high
8241    STM-1 34M Pattern Sync loss
8243    STM-1 34M Bit Error Rate low
8244    STM-1 34M Bit Error Rate high
8251    STM-1 Frame or Pointer Sync Loss
8264    STM-1 B1 BIP Errors
8274    STM-1 B2 BIP Errors
8284    STM-1 B3 BIP Errors
8294    STM-1 HP-REI Errors
8304    STM-1 VC-12 V5 BIP Errors
8314    STM-1 VC-12 V5 LP-REI Errors
8321    STM-1 Frame or Pointer Sync Loss
8323    STM-1 VC-12 V5 BIP Error Rate low
8324    STM-1 VC-12 V5 BIP Error Rate high
8331    STM-1 Frame or Pointer Sync Loss
8333    STM-1 VC-12 V5 LP-REI Error Rate low
8334    STM-1 VC-12 V5 LP-REI Error Rate high
8341    STM-1 2M Pattern Sync loss
8343    STM-1 2M Bit Error Rate low
8344    STM-1 2M Bit Error Rate high
8351    STM-1 140M PRBS 23 Pattern Sync Loss
8354    STM-1 140M PRBS 23 Bit Errors
8361    STM-1 34M PRBS 23 Pattern Sync Loss
8364    STM-1 34M PRBS 23 Bit Errors
8371    STM-1 2M PRBS 23 Pattern Sync Loss
8374    STM-1 2M PRBS 23 Bit Errors
8381    STM-1 2M PRBS 15 Pattern Sync Loss
8384    STM-1 2M PRBS 15 Bit Errors
8391    STM-1 34M PRBS 15 Pattern Sync Loss
8394    STM-1 34M PRBS 15 Bit Errors
8401    STM-1 140M PRBS 15 Pattern Sync Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
8404    STM-1 140M PRBS 15 Bit Errors
8411    STM-1 2M All Ones Pattern Sync Loss
8414    STM-1 2M All Ones Bit Errors
8421    STM-1 34M All Zeros Pattern Sync Loss
8424    STM-1 34M All Zeros Bit Errors
8431    STM-1 140M All Ones Pattern Sync Loss
8434    STM-1 140M All Ones Bit Errors
8441    STM-1 140M 1010 Pattern Sync Loss
8444    STM-1 140M 1010 Bit Errors
8451    STM-1 140M 1100010011110110 Pattern Sync Loss
8454    STM-1 140M 1100010011110110 Bit Errors
8461    STM-1 34M 1111111111111110 Pattern Sync Loss
8464    STM-1 34M 1111111111111110 Bit Errors
8471    STM-1 2M 1100010011110110 Pattern Sync Loss
8474    STM-1 2M 1100010011110110 Bit Errors
8481    STM-1 2M Background Pattern same as Test Pattern
8491    STM-1 2M Background Pattern failure
8511    STM-1 Out of Frame
8512    STM-1 Frame Loss
8521    STM-1 No Out of Frame history
8522    STM-1 Frame Loss history
8531    STM-1 Out of Frame not cancelled
8532    STM-1 Frame Loss
8541    STM-1 Pattern Sync Loss
8553    STM-1 No MS-AIS alarm
8564    STM-1 MS-AIS alarm not cancelled
8571    STM-1 Pattern Sync Loss
8583    STM-1 No MS-RDI alarm
8594    STM-1 MS-RDI alarm not cancelled
8601    STM-1 Pattern Sync Loss
8613    STM-1 No AU-AIS alarm
8624    STM-1 AU-AIS alarm not cancelled
8661    STM-1 Pattern Sync Loss
8673    STM-1 No TU3 TU-AIS alarm
8684    STM-1 TU3 TU-AIS alarm not cancelled
8691    STM-1 Pattern Sync Loss
8703    STM-1 No TU3 LP-RDI alarm
8714    STM-1 TU3 LP-RDI alarm not cancelled
8721    STM-1 Pattern Sync Loss
8733    STM-1 No TU12 TU-AIS alarm
8744    STM-1 TU12 TU-AIS alarm not cancelled
8751    STM-1 Pattern Sync Loss
8763    STM-1 No TU12 LP-RDI alarm
8774    STM-1 TU12 LP-RDI alarm not cancelled
8781    STM-1 Clock Loss
8791    STM-1 No Clock Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
8801    STM-1 Frame or Pointer Sync Loss
8803    STM-1 VC-3 B3 BIP Error Rate low
8804    STM-1 VC-3 B3 BIP Error Rate high
8811    STM-1 K1 byte not equal to 00000000
8812    STM-1 K2 byte not equal to 00000000
8821    STM-1 K1 byte not equal to 11101111
8822    STM-1 K2 byte not equal to 11111101
8831    STM-1 S1 bits not equal to 0000
8841    STM-1 S1 bits not equal to 1111
8851    STM-1 AU-LOP not detected
8852    STM-1 AU-LOP detected
8861    STM-1 TU-LOP not detected
8862    STM-1 TU-LOP detected
8871    STM-1 LOF not detected
8872    STM-1 LOF detected
8883    STM-1 2 Mb/s TU BIP Error Rate low
8884    STM-1 2 Mb/s TU BIP Error Rate high
8893    STM-1 2 Mb/s LP-REI Error Rate low
8894    STM-1 2 Mb/s LP-REI Error Rate high
8901    STM-1 A1A2 OFF    - LOF detected
8902    STM-1 A1A2 1 in 4 - LOF detected
8903    STM-1 A1A2 2 in 4 - LOF detected
8904    STM-1 A1A2 3 in 4 - LOF detected
8905    STM-1 A1A2 4 in 4 - LOF not detected
8906    STM-1 A1A2 3 in 4 - LOF not detected
8907    STM-1 A1A2 2 in 4 - LOF detected
8908    STM-1 A1A2 1 in 4 - LOF detected
8909    STM-1 A1A2 OFF    - LOF detected
8911    STM-1 140 Mb/s struct 64 kb/s delay = 0s - Pattern Loss
8912    STM-1 140 Mb/s struct 64 kb/s delay = 0s - Timeout
8913    STM-1 140 Mb/s struct 64 kb/s delay = 0s - Result low
8914    STM-1 140 Mb/s struct 64 kb/s delay = 0s - Result high
8921    STM-1 140 Mb/s struct 64 kb/s delay = 2s - Pattern Loss
8922    STM-1 140 Mb/s struct 64 kb/s delay = 2s - Timeout
8923    STM-1 140 Mb/s struct 64 kb/s delay = 2s - Result low
8924    STM-1 140 Mb/s struct 64 kb/s delay = 2s - Result high
8931    STM-1 34 Mb/s struct 64 kb/s delay = 0s - Pattern Loss
8932    STM-1 34 Mb/s struct 64 kb/s delay = 0s - Timeout
8933    STM-1 34 Mb/s struct 64 kb/s delay = 0s - Result low
8934    STM-1 34 Mb/s struct 64 kb/s delay = 0s - Result high
8941    STM-1 34 Mb/s struct 64 kb/s delay = 2s - Pattern Loss
8942    STM-1 34 Mb/s struct 64 kb/s delay = 2s - Timeout
8943    STM-1 34 Mb/s struct 64 kb/s delay = 2s - Result low
8944    STM-1 34 Mb/s struct 64 kb/s delay = 2s - Result high
8951    STM-1 2 Mb/s struct 64 kb/s delay = 0s - Pattern Loss
8952    STM-1 2 Mb/s struct 64 kb/s delay = 0s - Timeout
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
8953    STM-1 2 Mb/s struct 64 kb/s delay = 0s - Result low
8954    STM-1 2 Mb/s struct 64 kb/s delay = 0s - Result high
8961    STM-1 2 Mb/s struct 64 kb/s delay = 2s - Pattern Loss
8962    STM-1 2 Mb/s struct 64 kb/s delay = 2s - Timeout
8963    STM-1 2 Mb/s struct 64 kb/s delay = 2s - Result low
8964    STM-1 2 Mb/s struct 64 kb/s delay = 2s - Result high
9101    STM-1 Optical Signal Loss
9111    STM-1 Optical alarms present
9121    STM-1 Optical Pattern Sync Loss
9124    STM-1 Optical Bit Errors
9131    STM-1 Optical Pattern Sync Loss
9133    STM-1 Optical Bit Error Rate low
9134    STM-1 Optical Bit Error Rate high
9141    STM-1 Optical No Signal Loss
9151    STM-4 Optical STM-1 #1 Signal Loss
9161    STM-4 Optical STM-1 #1 alarms present
9171    STM-4 Optical STM-1 #1 Pattern Sync Loss
9174    STM-4 Optical STM-1 #1 Bit Errors
9181    STM-4 Optical STM-1 #1 Pattern Sync Loss
9183    STM-4 Optical STM-1 #1 Bit Error Rate low
9184    STM-4 Optical STM-1 #1 Bit Error Rate high
9191    STM-4 Optical STM-1 #1 No Signal Loss
9201    STM-4 Optical STM-1 #2 Signal Loss
9211    STM-4 Optical STM-1 #2 alarms present
9221    STM-4 Optical STM-1 #2 Pattern Sync Loss
9224    STM-4 Optical STM-1 #2 Bit Errors
9231    STM-4 Optical STM-1 #2 Pattern Sync Loss
9233    STM-4 Optical STM-1 #2 Bit Error Rate low
9234    STM-4 Optical STM-1 #2 Bit Error Rate high
9241    STM-4 Optical STM-1 #2 No Signal Loss
9251    STM-4 Optical STM-1 #3 Signal Loss
9261    STM-4 Optical STM-1 #3 alarms present
9271    STM-4 Optical STM-1 #3 Pattern Sync Loss
9274    STM-4 Optical STM-1 #3 Bit Errors
9281    STM-4 Optical STM-1 #3 Pattern Sync Loss
9283    STM-4 Optical STM-1 #3 Bit Error Rate low
9284    STM-4 Optical STM-1 #3 Bit Error Rate high
9291    STM-4 Optical STM-1 #3 No Signal Loss
9301    STM-4 Optical STM-1 #4 Signal Loss
9311    STM-4 Optical STM-1 #4 alarms present
9321    STM-4 Optical STM-1 #4 Pattern Sync Loss
9324    STM-4 Optical STM-1 #4 Bit Errors
9331    STM-4 Optical STM-1 #4 Pattern Sync Loss
9333    STM-4 Optical STM-1 #4 Bit Error Rate low
9334    STM-4 Optical STM-1 #4 Bit Error Rate high
9341    STM-4 Optical STM-1 #4 No Signal Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
9351    STM-4 Optical Frame or Pointer Sync Loss
9364    STM-4 Optical B1 BIP Errors
9374    STM-4 Optical B2 BIP Errors
9382    STM-4 Tx#1 Rx#2 Pattern Loss Not Detected
9383    STM-4 Tx#1 Rx#3 Pattern Loss Not Detected
9384    STM-4 Tx#1 Rx#4 Pattern Loss Not Detected
9391    STM-4 Tx#2 Rx#1 Pattern Loss Not Detected
9393    STM-4 Tx#2 Rx#3 Pattern Loss Not Detected
9394    STM-4 Tx#2 Rx#4 Pattern Loss Not Detected
9401    STM-4 Tx#3 Rx#1 Pattern Loss Not Detected
9402    STM-4 Tx#3 Rx#2 Pattern Loss Not Detected
9404    STM-4 Tx#3 Rx#4 Pattern Loss Not Detected
9411    STM-4 Tx#4 Rx#1 Pattern Loss Not Detected
9412    STM-4 Tx#4 Rx#2 Pattern Loss Not Detected
9413    STM-4 Tx#4 Rx#3 Pattern Loss Not Detected
9421    STM-4 Optical Pattern Sync Loss
9422    STM-4 Optical No MS-AIS alarm
9423    STM-4 Optical MS-AIS alarm not cancelled
9431    STM-4 Optical Pattern Sync Loss
9432    STM-4 Optical No MS-RDI alarm
9433    STM-4 Optical MS-RDI alarm not cancelled
10011   STM-1 Pattern Sync Loss
10012   STM-1 Signal Loss
10015   STM-1 Pattern Sync Loss
10016   STM-1 Signal Loss
10021   STM-1 LOF,OOF or LOP
10022   STM-1 LOF,OOF or LOP
10025   STM-1 LOF,OOF or LOP
10026   STM-1 LOF,OOF or LOP
10031   STM-1 Pattern Sync Loss
10033   STM-1 Payload bit error rate low
10034   STM-1 Payload bit error rate high
10035   STM-1 Pattern Sync Loss
10037   STM-1 Payload bit error rate low
10038   STM-1 Payload bit error rate high
10041   STM-1 No LOF,OOF or LOP
10042   STM-1 No signal Loss
10045   STM-1 No LOF,OOF or LOP
10046   STM-1 No signal Loss
10051   STM-1 Stress test LOF or OOF
10055   STM-1 Stress test LOF or OOF
10061   STM-1 Stress test OOF detected
10065   STM-1 Stress test OOF detected
10071   STM-4,STM-1#1 LOF,OOF or LOP
10072   STM-4,STM-1#1 Signal Loss
10075   STM-4,STM-1#1 LOF,OOF or LOP
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10076   STM-4,STM-1#1 Signal Loss
10081   STM-4,STM-1#1 Pattern Sync Loss
10083   STM-4,STM-1#1 Payload bit error rate low
10084   STM-4,STN-1#1 Payload bit error rate high
10085   STM-4,STM-1#1 Pattern Sync Loss
10087   STM-4,STM-1#1 Payload bit error rate low
10088   STM-4,STM-1#1 Payload bit error rate high
10091   STM-4,STM-1#1 No LOF,OOF or LOP
10092   STM-4,STM-1#1 No signal Loss
10095   STM-4,STM-1#1 No LOF,OOF or LOP
10096   STM-4,STM-1#1 No signal Loss
10101   STM-4,STM-1#2 LOF,OOF or LOP
10102   STM-4,STM-1#2 Signal Loss
10105   STM-4,STM-1#2 LOF,OOF or LOP
10106   STM-4,STM-1#2 Signal Loss
10111   STM-4,STM-1#2 Pattern Sync Loss
10113   STM-4,STM-1#2 Payload bit error rate low
10114   STM-4,STM-1#2 Payload bit error rate high
10115   STM-4,STM-1#2 Pattern Sync Loss
10117   STM-4,STM-1#2 Payload bit error rate low
10118   STM-4,STM-1#2 Payload bit error rate high
10121   STM-4,STM-1#2 No LOF,OOF or LOP
10122   STM-4,STM-1#2 No signal Loss
10125   STM-4,STM-1#2 No LOF,OOF or LOP
10126   STM-4,STM-1#2 No signal Loss
10131   STM-4,STM-1#3 LOF,OOF or LOP
10132   STM-4,STM-1#3 Signal Loss
10135   STM-4,STM-1#3 LOF,OOF or LOP
10136   STM-4,STM-1#3 Signal Loss
10141   STM-4,STM-1#3 Pattern Sync Loss
10143   STM-4,STM-1#3 Payload bit error rate low
10144   STM-4,STM-1#3 Payload bit error rate high
10145   STM-4,STM-1#3 Pattern Sync Loss
10147   STM-4,STM-1#3 Payload bit error rate low
10148   STM-4,STM-1#3 Payload bit error rate high
10151   STM-4,STM-1#3 No LOF,OOF or LOP
10152   STM-4,STM-1#3 No signal Loss
10155   STM-4,STM-1#3 No LOF,OOF or LOP
10156   STM-4,STM-1#3 No signal Loss
10161   STM-4,STM-1#4 LOF,OOF or LOP
10162   STM-4,STM-1#4 Signal Loss
10165   STM-4,STM-1#4 LOF,OOF or LOP
10166   STM-4,STM-1#4 Signal Loss
10171   STM-4,STM-1#4 Pattern Sync Loss
10173   STM-4,STM-1#4 Payload bit error rate low
10174   STM-4,STM-1#4 Payload bit error rate high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10175   STM-4,STM-1#4 Pattern Sync Loss
10177   STM-4,STM-1#4 Payload bit error rate low
10178   STM-4,STM-1#4 Payload bit error rate high
10181   STM-4,STM-1#4 No LOF,OOF or LOP
10182   STM-4,STM-1#4 No signal Loss
10185   STM-4,STM-1#4 No LOF,OOF or LOP
10186   STM-4,STM-1#4 No signal Loss
10191   STM-4,STM-1#1 LOF,OOF or LOP
10192   STM-4,STM-1#1 RS B1 BIP Errors >0
10195   STM-4,STM-1#1 LOF,OOF or LOP
10196   STM-4,STM-1#1 RS B1 BIP Errors >0
10202   STM-4,STM-1#1 MS B2 BIP Errors >0
10206   STM-4,STM-1#1 MS B2 BIP Errors >0
10211   STM-4,STM-1#1 LOF or OOF
10213   STM-4,STM-1#1 MS B2 BIP Errors low
10214   STM-4,STM-1#1 MS B2 BIP Errors high
10215   STM-4,STM-1#1 LOF or OOF
10217   STM-4,STM-1#1 MS B2 BIP Errors low
10218   STM-4,STM-1#1 MS B2 BIP Errors high
10221   STM-4,STM-1#1 LOF,OOF or LOP
10222   STM-4,STM-1#1 Signal Loss
10225   STM-4,STM-1#1 LOF,OOF or LOP
10226   STM-4,STM-1#1 Signal Loss
10231   STM-4,Clock Recovery LOF,OOF or LOP
10235   STM-4,Clock Recovery LOF,OOF or LOP
10241   STM-4,Clock Recovery LOF,OOF or LOP
10245   STM-4,Clock Recovery LOF,OOF or LOP
10251   STM-4,Clock Recovery LOF,OOF or LOP
10255   STM-4,Clock Recovery LOF,OOF or LOP
10261   STM-4 SOH test sync loss
10262   STM-4 MUX4-SOH col147 'a5' error
10265   STM-4 SOH test sync loss
10266   STM-4 MUX4-SOH col147 'a5' error
10271   STM-4 SOH test sync loss
10272   STM-4 MUX4-SOH col147 '5a' error
10275   STM-4 SOH test sync loss
10276   STM-4 MUX4-SOH col147 '5a' error
10281   STM-4 SOH test sync loss
10282   STM-4 MUX4-SOH col147 'a5' error
10285   STM-4 SOH test sync loss
10286   STM-4 MUX4-SOH col147 'a5' error
10291   STM-4 SOH test sync loss
10292   STM-4 MUX4-SOH col258 'a5' error
10295   STM-4 SOH test sync loss
10296   STM-4 MUX4-SOH col258 'a5' error
10301   STM-4 SOH test sync loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
10302   STM-4 MUX4-SOH col369 'a5' error
10305   STM-4 SOH test sync loss
10306   STM-4 MUX4-SOH col369 'a5' error
10311   STM-4 SOH test sync loss
10312   STM-4 MUX4-SOH col147 '5a' error
10315   STM-4 SOH test sync loss
10316   STM-4 MUX4-SOH col147 '5a' error
10321   STM-4 SOH test sync loss
10322   STM-4 MUX4-SOH col258 '5a' error
10325   STM-4 SOH test sync loss
10326   STM-4 MUX4-SOH col258 '5a' error
10331   STM-4 SOH test sync loss
10332   STM-4 MUX4-SOH col369 '5a' error
10335   STM-4 SOH test sync loss
10336   STM-4 MUX4-SOH col369 '5a' error
10341   STM-4 SOH test sync loss
10342   STM-4#RAM1 SOH col147 pattern error
10345   STM-4 SOH test sync loss
10346   STM-4#RAM1 SOH col147 pattern error
10351   STM-4 SOH test sync loss
10352   STM-4#RAM1 SOH col258 pattern error
10355   STM-4 SOH test sync loss
10356   STM-4#RAM1 SOH col258 pattern error
10361   STM-4 SOH test sync loss
10362   STM-4#RAM1 SOH col369 pattern error
10365   STM-4 SOH test sync loss
10366   STM-4#RAM1 SOH col369 pattern error
10371   STM-4 SOH test sync loss
10372   STM-4#RAM2 SOH col147 pattern error
10375   STM-4 SOH test sync loss
10376   STM-4#RAM2 SOH col147 pattern error
10381   STM-4 SOH test sync loss
10382   STM-4#RAM2 SOH col258 pattern error
10385   STM-4 SOH test sync loss
10386   STM-4#RAM2 SOH col258 pattern error
10391   STM-4 SOH test sync loss
10392   STM-4#RAM2 SOH col369 pattern error
10395   STM-4 SOH test sync loss
10396   STM-4#RAM2 SOH col369 pattern error
10401   STM-4 SOH test sync loss
10402   STM-4#RAM3 SOH col147 pattern error
10405   STM-4 SOH test sync loss
10406   STM-4#RAM3 SOH col147 pattern error
10411   STM-4 SOH test sync loss
10412   STM-4#RAM3 SOH col258 pattern error
10415   STM-4 SOH test sync loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10416   STM-4#RAM3 SOH col258 pattern error
10421   STM-4 SOH test sync loss
10422   STM-4#RAM3 SOH col369 pattern error
10425   STM-4 SOH test sync loss
10426   STM-4#RAM3 SOH col369 pattern error
10431   STM-4 SOH test sync loss
10432   STM-4#RAM4 SOH col147 pattern error
10435   STM-4 SOH test sync loss
10436   STM-4#RAM4 SOH col147 pattern error
10441   STM-4 SOH test sync loss
10442   STM-4#RAM4 SOH col258 pattern error
10445   STM-4 SOH test sync loss
10446   STM-4#RAM4 SOH col258 pattern error
10451   STM-4 SOH test sync loss
10452   STM-4#RAM4 SOH col369 pattern error
10455   STM-4 SOH test sync loss
10456   STM-4#RAM4 SOH col369 pattern error
10461   STM-4 SOH test sync loss
10462   STM-4#RAM1 SOH col147 pattern error
10465   STM-4 SOH test sync loss
10466   STM-4#RAM1 SOH col147 pattern error
10471   STM-4 SOH test sync loss
10472   STM-4#RAM1 SOH col258 pattern error
10475   STM-4 SOH test sync loss
10476   STM-4#RAM1 SOH col258 pattern error
10481   STM-4 SOH test sync loss
10482   STM-4#RAM1 SOH col369 pattern error
10485   STM-4 SOH test sync loss
10486   STM-4#RAM1 SOH col369 pattern error
10491   STM-4 SOH test sync loss
10492   STM-4#RAM2 SOH col147 pattern error
10495   STM-4 SOH test sync loss
10496   STM-4#RAM2 SOH col147 pattern error
10501   STM-4 SOH test sync loss
10502   STM-4#RAM2 SOH col258 pattern error
10505   STM-4 SOH test sync loss
10506   STM-4#RAM2 SOH col258 pattern error
10511   STM-4 SOH test sync loss
10512   STM-4#RAM2 SOH col369 pattern error
10515   STM-4 SOH test sync loss
10516   STM-4#RAM2 SOH col369 pattern error
10521   STM-4 SOH test sync loss
10522   STM-4#RAM3 SOH col147 pattern error
10525   STM-4 SOH test sync loss
10526   STM-4#RAM3 SOH col147 pattern error
10531   STM-4 SOH test sync loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10532   STM-4#RAM3 SOH col258 pattern error
10535   STM-4 SOH test sync loss
10536   STM-4#RAM3 SOH col258 pattern error
10541   STM-4 SOH test sync loss
10542   STM-4#RAM3 SOH col369 pattern error
10545   STM-4 SOH test sync loss
10546   STM-4#RAM3 SOH col369 pattern error
10551   STM-4 SOH test sync loss
10552   STM-4#RAM4 SOH col147 pattern error
10555   STM-4 SOH test sync loss
10556   STM-4#RAM4 SOH col147 pattern error
10561   STM-4 SOH test sync loss
10562   STM-4#RAM4 SOH col258 pattern error
10565   STM-4 SOH test sync loss
10566   STM-4#RAM4 SOH col258 pattern error
10571   STM-4 SOH test sync loss
10572   STM-4#RAM4 SOH col369 pattern error
10575   STM-4 SOH test sync loss
10576   STM-4#RAM4 SOH col369 pattern error
10591   STM-4 OOF
10592   STM-4 LOF
10595   STM-4 OOF
10596   STM-4 LOF
10601   STM-4 3 in 4 Frame errors,History OOF
10602   STM-4 3 in 4 Frame errors,History LOF
10605   STM-4 3 in 4 Frame errors,History OOF
10606   STM-4 3 in 4 Frame errors,History LOF
10611   Pattern Sync Loss
10615   Pattern Sync Loss
10622   STM-4 No MS AIS alarm detected
10626   STM-4 No MS AIS alarm detected
10632   STM-4 MS AIS alarm detected
10636   STM-4 MS AIS alarm detected
10641   Pattern Sync Loss
10645   Pattern Sync Loss
10652   STM-4 No MS-RDI alarm detected
10656   STM-4 No MS-RDI alarm detected
10662   STM-4 MS-RDI alarm detected
10666   STM-4 MS-RDI alarm detected
10671   STM-0 Pattern Sync Loss
10672   STM-0 Signal Loss
10675   STM-0 Pattern Sync Loss
10676   STM-0 Signal Loss
10681   STM-0 LOF,OOF or LOP
10682   STM-0 LOF,OOF or LOP
10685   STM-0 LOF,OOF or LOP
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10686   STM-0 LOF,OOF or LOP
10691   STM-0 Pattern Sync Loss
10693   STM-0 Payload bit error rate low
10694   STM-0 Payload bit error rate high
10695   STM-0 Pattern Sync Loss
10697   STM-0 Payload bit error rate low
10698   STM-0 Payload bit error rate high
10701   Pattern Sync Loss
10702   STM-1 Signal Loss
10705   Pattern Sync Loss
10706   STM-1 Signal Loss
10712   STM-1 LOF,OOF or LOP
10716   STM-1 LOF,OOF or LOP
10721   STM-1 Pattern Sync Loss
10723   STM-1 Payload bit error rate low
10724   STM-1 Payload bit error rate high
10725   STM-1 Pattern Sync Loss
10727   STM-1 Payload bit error rate low
10728   STM-1 Payload bit error rate high
10751   STM-4 LOF,OOF or LOP
10752   STM-4 Signal Loss
10755   STM-4 LOF,OOF or LOP
10756   STM-4 Signal Loss
10761   STM-4 Pattern Sync Loss
10763   STM-4,STM-1#1 Payload bit error rate low
10764   STM-4,STM-1#1 Payload bit error rate high
10765   STM-4 Pattern Sync Loss
10767   STM-4,STM-1#1 Payload bit error rate low
10768   STM-4,STM-1#1 Payload bit error rate high
10771   STM-4,STM-1#1 No LOF,OOF or LOP
10772   STM-4,STM-1#1 No signal Loss
10775   STM-4,STM-1#1 No LOF,OOF or LOP
10776   STM-4,STM-1#1 No signal Loss
10781   STM-4 LOF,OOF or LOP
10782   STM-4,STM-4 B1 BIP errors detected
10792   STM-4,STM-4 B2 BIP errors detected
10801   STM-1 LOF,OOF or LOP
10803   STM-1 Power level low [1310]
10804   STM-1 Power level high [1310]
10805   STM-1 LOF,OOF or LOP
10807   STM-1 Power level low [1550]
10808   STM-1 Power level high [1550]
10811   STM-4 LOF,OOF or LOP
10813   STM-4 Power level low [1310]
10814   STM-4 Power level high [1310]
10815   STM-4 LOF,OOF or LOP
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10817   STM-4 Power level low [1550]
10818   STM-4 Power level high [1550]
10821   STM-1 Signal Loss
10823   STM-1 Frequency low
10824   STM-1 Frequency high
10825   STM-1 Signal Loss
10827   STM-1 Frequency low
10828   STM-1 Frequency high
10831   STM-4 Signal Loss
10833   STM-4 Frequency low
10834   STM-4 Frequency high
10835   STM-4 Signal Loss
10837   STM-4 Frequency low
10838   STM-4 Frequency high
10841   STM-4 LOF
10843   STM-4 MS B2 BIP Errors low
10844   STM-4 MS B2 BIP Errors high
10845   STM-4 LOF
10847   STM-4 MS B2 BIP Errors low
10848   STM-4 MS B2 BIP Errors high
10853   STM-4 A1A2 Errors low
10854   STM-4 A1A2 Errors high
10855   STM-4 RS B1 Errors low
10856   STM-4 RS B1 Errors high
10857   STM-4 MS-REI Errors low
10858   STM-4 MS-REI Errors high
10861   STM-4 LOF
10862   STM-4 OOF
10865   STM-4 LOF
10866   STM-4 OOF
10871   STM-4 LOF
10872   STM-4 No Loss of Signal
10873   STM-4 Loss of Signal
10876   STM-4 No Loss of Signal
10877   STM-4 Loss of Signal
10881   STM-4 LOF
10882   STM-4 No Loss of Signal
10883   STM-4 Loss of Signal
10886   STM-4 No Loss of Signal
10887   STM-4 Loss of Signal
10891   STM-4c POH J1 incorrect
10895   STM-4c POH J1 incorrect
10901   STM-4c 2^23 Pattern Loss
10903   STM-4c 2^23 Bit Errors low
10904   STM-4c 2^23 Bit Errors high
10905   STM-4c 2^23 Pattern Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
10907   STM-4c 2^23 Bit Errors low
10908   STM-4c 2^23 Bit Errors high
10911   STM-4c 2^15 Pattern Loss
10913   STM-4c 2^15 Bit Errors low
10914   STM-4c 2^15 Bit Errors high
10915   STM-4c 2^15 Pattern Loss
10917   STM-4c 2^15 Bit Errors low
10918   STM-4c 2^15 Bit Errors high
10921   STM-4c Word Pattern Loss
10923   STM-4c Word Bit Errors low
10924   STM-4c Word Bit Errors high
10925   STM-4c Word Pattern Loss
10927   STM-4c Word Bit Errors low
10928   STM-4c Word Bit Errors high
10931   STM-4c 2^9 Pattern Loss
10933   STM-4c 2^9 Bit Errors low
10934   STM-4c 2^9 Bit Errors high
10935   STM-4c 2^9 Pattern Loss
10937   STM-4c 2^9 Bit Errors low
10938   STM-4c 2^9 Bit Errors high
10941   STM-4c LOF Detected
10942   STM-4c LOP Detected
10943   STM-4c B1 BIP Errors Detected
10944   STM-4c B2 BIP Errors Detected
10945   STM-4c B3 BIP Errors Detected
10953   STM-4c +100ppm VC Offset - low
10954   STM-4c +100ppm VC Offset - high
10955   STM-4c -100ppm VC Offset - low
10956   STM-4c -100ppm VC Offset - high
10961   STM-4 STM#3 Pattern Sync Loss
10962   STM-4 STM#3 Bit Errors Detected
10965   STM-4 STM#3 Pattern Sync Loss
10966   STM-4 STM#3 Bit Errors Detected
10971   STM-4 STM#1 Pattern Sync Loss"
10972   STM-4 STM#1 Bit Errors <> 1
10973   STM-4 STM#2 Pattern Sync Loss"
10974   STM-4 STM#2 Bit Errors <> 1
10975   STM-4 STM#4 Pattern Sync Loss"
10976   STM-4 STM#4 Bit Errors <> 1
14102   JITTER GEN 2Mb/s PRBS23 10UI 5KHz - no PDH errors
14111   JITTER GEN SDH 10UI 2KHz - SDH errors
14121   JITTER GEN SDH 10UI 5KHz - SDH errors
14133   JITTER Rx 140Mb/s PRBS23 - Peak-to-peak too low
14134   JITTER Rx 140Mb/s PRBS23 - Peak-to-peak too high
14138   JITTER Rx 140Mb/s - jitter not locked
14139   JITTER Rx 140Mb/s - VCO not settled
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
14143   JITTER Rx 140Mb/s All-zeroes - Peak-to-peak too low
14144   JITTER Rx 140Mb/s All-zeroes - Peak-to-peak too high
14145   JITTER Rx 140Mb/s All-zeroes - RMS too low
14146   JITTER Rx 140Mb/s All-zeroes - RMS too high
14148   JITTER Rx 140Mb/s - jitter not locked
14153   JITTER Rx 140Mb/s 1000 - Peak-to-peak too low
14154   JITTER Rx 140Mb/s 1000 - Peak-to-peak too high
14158   JITTER Rx 140Mb/s - jitter not locked
14163   JITTER Rx 140Mb/s All-ones - Peak-to-peak too low
14164   JITTER Rx 140Mb/s All-ones - Peak-to-peak too high
14168   JITTER Rx 140Mb/s - jitter not locked
14173   JITTER Rx 34Mb/s PRBS23 - Peak-to-peak too low
14174   JITTER Rx 34Mb/s PRBS23 - Peak-to-peak too high
14178   JITTER Rx 34Mb/s - jitter not locked
14179   JITTER Rx 34Mb/s - VCO not settled
14183   JITTER Rx 34Mb/s All-zeroes - Peak-to-peak too low
14184   JITTER Rx 34Mb/s All-zeroes - Peak-to-peak too high
14185   JITTER Rx 34Mb/s All-zeroes - RMS too low
14186   JITTER Rx 34Mb/s All-zeroes - RMS too high
14188   JITTER Rx 34Mb/s - jitter not locked
14193   JITTER Rx 34Mb/s 1000 - Peak-to-peak too low
14194   JITTER Rx 34Mb/s 1000 - Peak-to-peak too high
14198   JITTER Rx 34Mb/s - jitter not locked
14203   JITTER Rx 34Mb/s All-ones - Peak-to-peak too low
14204   JITTER Rx 34Mb/s All-ones - Peak-to-peak too high
14208   JITTER Rx 34Mb/s - jitter not locked
14213   JITTER Rx 8Mb/s PRBS23 - Peak-to-peak too low
14214   JITTER Rx 8Mb/s PRBS23 - Peak-to-peak too high
14218   JITTER Rx 8Mb/s - jitter not locked
14219   JITTER Rx 8Mb/s - VCO not settled
14223   JITTER Rx 8Mb/s All-zeroes - Peak-to-peak too low
14224   JITTER Rx 8Mb/s All-zeroes - Peak-to-peak too high
14225   JITTER Rx 8Mb/s All-zeroes - RMS too low
14226   JITTER Rx 8Mb/s All-zeroes - RMS too high
14233   JITTER Rx 8Mb/s 1000 - Peak-to-peak too low
14234   JITTER Rx 8Mb/s 1000 - Peak-to-peak too high
14243   JITTER Rx 8Mb/s All-ones - Peak-to-peak too low
14244   JITTER Rx 8Mb/s All-ones - Peak-to-peak too high
14253   JITTER Rx 2Mb/s PRBS23 - Peak-to-peak too low
14254   JITTER Rx 2Mb/s PRBS23 - Peak-to-peak too high
14258   JITTER Rx 2Mb/s - jitter not locked
14259   JITTER Rx 2Mb/s - VCO not settled
14263   JITTER Rx 2Mb/s All-zeroes - Peak-to-peak too low
14264   JITTER Rx 2Mb/s All-zeroes - Peak-to-peak too high
14265   JITTER Rx 2Mb/s All-zeroes - RMS too low
14266   JITTER Rx 2Mb/s All-zeroes - RMS too high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14268   JITTER Rx 140Mb/s - jitter not locked
14273   JITTER Rx 2Mb/s 1000 - Peak-to-peak too low
14274   JITTER Rx 2Mb/s 1000 - Peak-to-peak too high
14278   JITTER Rx 140Mb/s - jitter not locked
14283   JITTER Rx 2Mb/s All-ones - Peak-to-peak too low
14284   JITTER Rx 2Mb/s All-ones - Peak-to-peak too high
14288   JITTER Rx 140Mb/s - jitter not locked
14293   JITTER GEN+Rx 140Mb/s All-0's Jit Off - Result too low
14294   JITTER GEN+Rx 140Mb/s All-0's Jit Off - Result too high
14298   JITTER Gen+Rx 140Mb/s - jitter not locked
14299   JITTER Gen+Rx 140Mb/s - VCO not settled
14303   JITTER GEN+Rx 140Mb/s All-0's 10UI 100Hz - Result too low
14304   JITTER GEN+Rx 140Mb/s All-0's 10UI 100Hz - Result too high
14308   JITTER Gen+Rx 140Mb/s - jitter not locked
14313   JITTER GEN+Rx 140Mb/s All-0's 1UI 10KHz - Result too low
14314   JITTER GEN+Rx 140Mb/s All-0's 1UI 10KHz - Result too high
14315   JITTER GEN+Rx 140Mb/s All-0's 1UI 10KHz - RMS too low
14316   JITTER GEN+Rx 140Mb/s All-0's 1UI 10KHz - RMS too high
14318   JITTER Gen+Rx 140Mb/s - jitter not locked
14323   JITTER GEN+Rx 140Mb/s All-0's 0.6UI 3MHz - Result too low
14324   JITTER GEN+Rx 140Mb/s All-0's 0.6UI 3MHz - Result too high
14328   JITTER Gen+Rx 140Mb/s - jitter not locked
14333   JITTER GEN+Rx 34Mb/s All-1's Jit Off - Result too low
14334   JITTER GEN+Rx 34Mb/s All-1's Jit Off - Result too high
14338   JITTER Gen+Rx 34Mb/s - jitter not locked
14339   JITTER Gen+Rx 34Mb/s - VCO not settled
14343   JITTER GEN+Rx 34Mb/s All-1's 10UI 100Hz - Result too low
14344   JITTER GEN+Rx 34Mb/s All-1's 10UI 100Hz - Result too high
14348   JITTER Gen+Rx 34Mb/s - jitter not locked
14353   JITTER GEN+Rx 34Mb/s All-1's 1UI 200KHz - Result too low
14354   JITTER GEN+Rx 34Mb/s All-1's 1UI 200KHz - Result too high
14355   JITTER GEN+Rx 34Mb/s All-1's 1UI 200KHz - RMS too low
14356   JITTER GEN+Rx 34Mb/s All-1's 1UI 200KHz - RMS too high
14358   JITTER Gen+Rx 34Mb/s - jitter not locked
14363   JITTER GEN+Rx 34Mb/s All-1's 0.6UI 500KHz - Result too low
14364   JITTER GEN+Rx 34Mb/s All-1's 0.6UI 500KHz - Result too high
14368   JITTER Gen+Rx 34Mb/s - jitter not locked
14373   JITTER GEN+Rx 8Mb/s All-1's jit-off - Result too low
14374   JITTER GEN+Rx 8Mb/s All-1's jit-off - Result too high
14378   JITTER Gen+Rx 8Mb/s - jitter not locked
14379   JITTER Gen+Rx 8Mb/s - VCO not settled
14383   JITTER GEN+Rx 8Mb/s All-1's 10UI 100Hz - Result too low
14384   JITTER GEN+Rx 8Mb/s All-1's 10UI 100Hz - Result too high
14388   JITTER Gen+Rx 8Mb/s - jitter not locked
14393   JITTER GEN+Rx 8Mb/s All-1's 1UI 100KHz - Result too low
14394   JITTER GEN+Rx 8Mb/s All-1's 1UI 100KHz - Result too high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14395   JITTER GEN+Rx 8Mb/s All-1's 1UI 100KHz - RMS too low
14396   JITTER GEN+Rx 8Mb/s All-1's 1UI 100KHz - RMS too high
14398   JITTER Gen+Rx 8Mb/s - jitter not locked
14403   JITTER GEN+Rx 8Mb/s All-1's 0.6UI 300KHz - Result too low
14404   JITTER GEN+Rx 8Mb/s All-1's 0.6UI 300KHz - Result too high
14408   JITTER Gen+Rx 8Mb/s - jitter not locked
14413   JITTER GEN+Rx 2Mb/s All-1's jit-off - Result too low
14414   JITTER GEN+Rx 2Mb/s All-1's jit-off - Result too high
14418   JITTER Gen+Rx 2Mb/s - jitter not locked
14419   JITTER Gen+Rx 2Mb/s - VCO not settled
14423   JITTER GEN+Rx 2Mb/s All-1's 10UI 100Hz - Result too low
14424   JITTER GEN+Rx 2Mb/s All-1's 10UI 100Hz - Result too high
14428   JITTER Gen+Rx 2Mb/s - jitter not locked
14433   JITTER GEN+Rx 2Mb/s All-1's 1UI 25KHz - Result too low
14434   JITTER GEN+Rx 2Mb/s All-1's 1UI 25KHz - Result too high
14435   JITTER GEN+Rx 2Mb/s All-1's 1UI 25KHz - RMS too low
14436   JITTER GEN+Rx 2Mb/s All-1's 1UI 25KHz - RMS too high
14438   JITTER Gen+Rx 2Mb/s - jitter not locked
14443   JITTER GEN+Rx 2Mb/s All-1's 0.6UI 80KHz - Result too low
14444   JITTER GEN+Rx 2Mb/s All-1's 0.6UI 80KHz - Result too high
14448   JITTER Gen+Rx 2Mb/s - jitter not locked
14453   JITTER GEN+RX 2Mb/s All-1's 1.0UI 1KHz - Result too low
14454   JITTER GEN+RX 2Mb/s All-1's 1.0UI 1KHz - Result too high
14458   JITTER GEN+RX 2Mb/s - jitter not locked
14463   JITTER GEN+RX 8Mb/s All-1's 1.0UI 1KHz - Result too low
14464   JITTER GEN+RX 8Mb/s All-1's 1.0UI 1KHz - Result too high
14468   JITTER GEN+RX 8Mb/s - jitter not locked
14473   JITTER GEN+RX 34Mb/s All-1's 1.0UI 1KHz - Result too low
14474   JITTER GEN+RX 34Mb/s All-1's 1.0UI 1KHz - Result too high
14478   JITTER GEN+RX 34Mb/s - jitter not locked
14483   JITTER GEN+RX 140Mb/s All-1's 1.0UI 1KHz - Result too low
14484   JITTER GEN+RX 140Mb/s All-1's 1.0UI 1KHz - Result too high
14488   JITTER GEN+RX 140Mb/s - jitter not locked
14493   JITTER STM-1E RX 1.6 UI PRBS23 - Result too low
14494   JITTER STM-1E RX 1.6 UI PRBS23 - Result too high
14495   JITTER STM-1E RX 1.6 UI PRBS23 - RMS too low
14496   JITTER STM-1E RX 1.6 UI PRBS23 - RMS too high
14497   JITTER STM-1E RX 1.6 UI PRBS23 - STM LOS
14498   JITTER STM-1E RX 1.6 UI PRBS23 - Jitter not locked
14499   JITTER STM-1E RX 1.6 UI PRBS23 - VCO not settled
14503   JITTER STM-1E RX 1.6 UI All-0's - Result too low
14504   JITTER STM-1E RX 1.6 UI All 0's - Result too high
14507   JITTER STM-1E RX 1.6 UI All 0's - STM LOS
14508   JITTER STM-1E RX 1.6 UI All 0's - Jitter not locked
14513   JITTER STM-1E RX 1.6 UI All-1's - Result too low
14514   JITTER STM-1E RX 1.6 UI All 1's - Result too high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14517   JITTER STM-1E RX 1.6 UI All 1's - STM LOS
14518   JITTER STM-1E RX 1.6 UI All 1's - Jitter not locked
14523   JITTER STM-1E RX 16 UI PRBS23 - Result too low
14524   JITTER STM-1E RX 16 UI PRBS23 - Result too high
14527   JITTER STM-1E RX 16 UI PRBS23 - STM LOS
14528   JITTER STM-1E RX 16 UI PRBS23 - Jitter not locked
14533   JITTER STM-1E RX 16 UI All-0's - Result too low
14534   JITTER STM-1E RX 16 UI All 0's - Result too high
14537   JITTER STM-1E RX 16 UI All 0's - STM LOS
14538   JITTER STM-1E RX 16 UI All 0's - Jitter not locked
14543   JITTER STM-1E RX 16 UI All-1's - Result too low
14544   JITTER STM-1E RX 16 UI All 1's - Result too high
14547   JITTER STM-1E RX 16 UI All 1's - STM LOS
14548   JITTER STM-1E RX 16 UI All 1's - Jitter not locked
14553   JITTER TX & STM-1E RX TX: OFF   - Result too low
14554   JITTER TX & STM-1E RX TX: OFF  - Result too high
14557   JITTER TX & STM-1E RX TX: OFF  - STM LOS
14558   JITTER TX & STM-1E RX TX: OFF  - Jitter not locked
14563   JITTER TX & STM-1E RX 5 UI 100 Hz  - Result too low
14564   JITTER TX & STM-1E RX 5 UI 100 Hz  - Result too high
14567   JITTER TX & STM-1E RX 5 UI 100 Hz  - STM LOS
14568   JITTER TX & STM-1E RX 5 UI 100 Hz  - Jitter not locked
14573   JITTER TX & STM-1E RX 5 UI 1 kHz  - Result too low
14574   JITTER TX & STM-1E RX 5 UI 1 kHz  - Result too high
14577   JITTER TX & STM-1E RX 5 UI 1 kHz  - STM LOS
14578   JITTER TX & STM-1E RX 5 UI 1 kHz  - Jitter not locked
14583   JITTER TX & STM-1E RX 1 UI 10 kHz  - Result too low
14584   JITTER TX & STM-1E RX 1 UI 10 kHz  - Result too high
14587   JITTER TX & STM-1E RX 1 UI 10 kHz  - STM LOS
14588   JITTER TX & STM-1E RX 1 UI 10 kHz  - Jitter not locked
14593   JITTER TX & STM-1E RX 1 UI 100 kHz  - Result too low
14594   JITTER TX & STM-1E RX 1 UI 100 kHz  - Result too high
14595   JITTER TX & STM-1E RX 1 UI 100 kHz  - RMS too low
14596   JITTER TX & STM-1E RX 1 UI 100 kHz  - RMS too high
14597   JITTER TX & STM-1E RX 1 UI 100 kHz  - STM LOS
14598   JITTER TX & STM-1E RX 1 UI 100 kHz  - Jitter not locked
14603   JITTER TX & STM-1E RX 0.5 UI 1 MHz  - Result too low
14604   JITTER TX & STM-1E RX 0.5 UI 1 MHz  - Result too high
14607   JITTER TX & STM-1E RX 0.5 UI 1 MHz  - STM LOS
14608   JITTER TX & STM-1E RX 0.5 UI 1 MHz  - Jitter not locked
14613   JITTER TX & STM-1E RX  Hits: 1.0 UI 1 kHz  - Result too low
14614   JITTER TX & STM-1E RX  Hits: 1.0 UI 1 kHz  - Result too high
14617   JITTER TX & STM-1E RX  Hits: 1.0 UI 1 kHz  - STM LOS
14618   JITTER TX & STM-1E RX  Hits: 1.0 UI 1 kHz  - Jitter not locked
14623   JITTER STM-1O RX 1.6 UI PRBS23 - Result too low
14624   JITTER STM-1O RX 1.6 UI PRBS23 - Result too high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14625   JITTER STM-1O RX 1.6 UI PRBS23 - RMS too low
14626   JITTER STM-1O RX 1.6 UI PRBS23 - RMS too high
14627   JITTER STM-1O RX 1.6 UI PRBS23 - STM LOL
14628   JITTER STM-1O RX 1.6 UI PRBS23 - Jitter not locked
14629   JITTER STM-1O RX 1.6 UI PRBS23 - VCO not settled
14633   JITTER STM-1O RX 1.6 UI All-0's - Result too low
14634   JITTER STM-1O RX 1.6 UI All 0's - Result too high
14637   JITTER STM-1O RX 1.6 UI All 0's - STM LOL
14638   JITTER STM-1O RX 1.6 UI All 0's - Jitter not locked
14643   JITTER STM-1O RX 1.6 UI All-1's - Result too low
14644   JITTER STM-1O RX 1.6 UI All 1's - Result too high
14647   JITTER STM-1O RX 1.6 UI All 1's - STM LOL
14648   JITTER STM-1O RX 1.6 UI All 1's - Jitter not locked
14653   JITTER STM-1O RX 16 UI PRBS23 - Result too low
14654   JITTER STM-1O RX 16 UI PRBS23 - Result too high
14657   JITTER STM-1O RX 16 UI PRBS23 - STM LOL
14658   JITTER STM-1O RX 16 UI PRBS23 - Jitter not locked
14663   JITTER STM-1O RX 16 UI All-0's - Result too low
14664   JITTER STM-1O RX 16 UI All 0's - Result too high
14667   JITTER STM-1O RX 16 UI All 0's - STM LOL
14668   JITTER STM-1O RX 16 UI All 0's - Jitter not locked
14673   JITTER STM-1O RX 16 UI All-1's - Result too low
14674   JITTER STM-1O RX 16 UI All 1's - Result too high
14677   JITTER STM-1O RX 16 UI All 1's - STM LOL
14678   JITTER STM-1O RX 16 UI All 1's - Jitter not locked
14683   JITTER TX & STM-1O RX TX: OFF   - Result too low
14684   JITTER TX & STM-1O RX TX: OFF  - Result too high
14687   JITTER TX & STM-1O RX TX: OFF  - STM LOL
14688   JITTER TX & STM-1O RX TX: OFF  - Jitter not locked
14693   JITTER TX & STM-1O RX 5 UI 100 Hz  - Result too low
14694   JITTER TX & STM-1O RX 5 UI 100 Hz  - Result too high
14697   JITTER TX & STM-1O RX 5 UI 100 Hz  - STM LOL
14698   JITTER TX & STM-1O RX 5 UI 100 Hz  - Jitter not locked
14703   JITTER TX & STM-1O RX 5 UI 1 kHz  - Result too low
14704   JITTER TX & STM-1O RX 5 UI 1 kHz  - Result too high
14707   JITTER TX & STM-1O RX 5 UI 1 kHz  - STM LOL
14708   JITTER TX & STM-1O RX 5 UI 1 kHz  - Jitter not locked
14713   JITTER TX & STM-1O RX 1 UI 10 kHz  - Result too low
14714   JITTER TX & STM-1O RX 1 UI 10 kHz  - Result too high
14717   JITTER TX & STM-1O RX 1 UI 10 kHz  - STM LOL
14718   JITTER TX & STM-1O RX 1 UI 10 kHz  - Jitter not locked
14723   JITTER TX & STM-1O RX 1 UI 100 kHz  - Result too low
14724   JITTER TX & STM-1O RX 1 UI 100 kHz  - Result too high
14725   JITTER TX & STM-1O RX 1 UI 100 kHz  - RMS too low
14726   JITTER TX & STM-1O RX 1 UI 100 kHz  - RMS too high
14727   JITTER TX & STM-1O RX 1 UI 100 kHz  - STM LOL
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14728   JITTER TX & STM-1O RX 1 UI 100 kHz  - Jitter not locked
14733   JITTER TX & STM-1O RX 0.5 UI 1 MHz  - Result too low
14734   JITTER TX & STM-1O RX 0.5 UI 1 MHz  - Result too high
14737   JITTER TX & STM-1O RX 0.5 UI 1 MHz  - STM LOL
14738   JITTER TX & STM-1O RX 0.5 UI 1 MHz  - Jitter not locked
14743   JITTER TX & STM-1O RX  Hits: 1.0 UI 1 kHz  - Result too low
14744   JITTER TX & STM-1O RX  Hits: 1.0 UI 1 kHz  - Result too high
14747   JITTER TX & STM-1O RX  Hits: 1.0 UI 1 kHz  - STM LOL
14748   JITTER TX & STM-1O RX  Hits: 1.0 UI 1 kHz  - Jitter not locked
14753   JITTER STM-4O RX 1.6 UI PRBS23 - Result too low
14754   JITTER STM-4O RX 1.6 UI PRBS23 - Result too high
14755   JITTER STM-4O RX 1.6 UI PRBS23 - RMS too low
14756   JITTER STM-4O RX 1.6 UI PRBS23 - RMS too high
14757   JITTER STM-4O RX 1.6 UI PRBS23 - STM LOL
14758   JITTER STM-4O RX 1.6 UI PRBS23 - Jitter not locked
14759   JITTER STM-4O RX 1.6 UI PRBS23 - VCO not settled
14763   JITTER STM-4O RX 1.6 UI All-0's - Result too low
14764   JITTER STM-4O RX 1.6 UI All 0's - Result too high
14767   JITTER STM-4O RX 1.6 UI All 0's - STM LOL
14768   JITTER STM-4O RX 1.6 UI All 0's - Jitter not locked
14773   JITTER STM-4O RX 1.6 UI All-1's - Result too low
14774   JITTER STM-4O RX 1.6 UI All 1's - Result too high
14777   JITTER STM-4O RX 1.6 UI All 1's - STM LOL
14778   JITTER STM-4O RX 1.6 UI All 1's - Jitter not locked
14783   JITTER STM-4O RX 16 UI PRBS23 - Result too low
14784   JITTER STM-4O RX 16 UI PRBS23 - Result too high
14787   JITTER STM-4O RX 16 UI PRBS23 - STM LOL
14788   JITTER STM-4O RX 16 UI PRBS23 - Jitter not locked
14793   JITTER STM-4O RX 16 UI All-0's - Result too low
14794   JITTER STM-4O RX 16 UI All 0's - Result too high
14797   JITTER STM-4O RX 16 UI All 0's - STM LOL
14798   JITTER STM-4O RX 16 UI All 0's - Jitter not locked
14803   JITTER STM-4O RX 16 UI All-1's - Result too low
14804   JITTER STM-4O RX 16 UI All 1's - Result too high
14807   JITTER STM-4O RX 16 UI All 1's - STM LOL
14808   JITTER STM-4O RX 16 UI All 1's - Jitter not locked
14813   JITTER TX & STM-4O RX TX: OFF   - Result too low
14814   JITTER TX & STM-4O RX TX: OFF  - Result too high
14817   JITTER TX & STM-4O RX TX: OFF  - STM LOL
14818   JITTER TX & STM-4O RX TX: OFF  - Jitter not locked
14823   JITTER TX & STM-4O RX 5 UI 100 Hz  - Result too low
14824   JITTER TX & STM-4O RX 5 UI 100 Hz  - Result too high
14827   JITTER TX & STM-4O RX 5 UI 100 Hz  - STM LOL
14828   JITTER TX & STM-4O RX 5 UI 100 Hz  - Jitter not locked
14833   JITTER TX & STM-4O RX 5 UI 1 kHz  - Result too low
14834   JITTER TX & STM-4O RX 5 UI 1 kHz  - Result too high
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
14837   JITTER TX & STM-4O RX 5 UI 1 kHz  - STM LOL
14838   JITTER TX & STM-4O RX 5 UI 1 kHz  - Jitter not locked
14843   JITTER TX & STM-4O RX 1 UI 10 kHz  - Result too low
14844   JITTER TX & STM-4O RX 1 UI 10 kHz  - Result too high
14847   JITTER TX & STM-4O RX 1 UI 10 kHz  - STM LOL
14848   JITTER TX & STM-4O RX 1 UI 10 kHz  - Jitter not locked
14853   JITTER TX & STM-4O RX 1 UI 100 kHz  - Result too low
14854   JITTER TX & STM-4O RX 1 UI 100 kHz  - Result too high
14855   JITTER TX & STM-4O RX 1 UI 100 kHz  - RMS too low
14856   JITTER TX & STM-4O RX 1 UI 100 kHz  - RMS too high
14857   JITTER TX & STM-4O RX 1 UI 100 kHz  - STM LOL
14858   JITTER TX & STM-4O RX 1 UI 100 kHz  - Jitter not locked
14863   JITTER TX & STM-4O RX 0.5 UI 1 MHz  - Result too low
14864   JITTER TX & STM-4O RX 0.5 UI 1 MHz  - Result too high
14867   JITTER TX & STM-4O RX 0.5 UI 1 MHz  - STM LOL
14868   JITTER TX & STM-4O RX 0.5 UI 1 MHz  - Jitter not locked
14873   JITTER TX & STM-4O RX  Hits: 1.0 UI 1 kHz  - Result too low
14874   JITTER TX & STM-4O RX  Hits: 1.0 UI 1 kHz  - Result too high
14877   JITTER TX & STM-4O RX  Hits: 1.0 UI 1 kHz  - STM LOL
14878   JITTER TX & STM-4O RX  Hits: 1.0 UI 1 kHz  - Jitter not locked
14881   JITTER GEN 2Mb/s PRBS23 80UI 100Hz - PDH errors
14889   JITTER GEN 2Mb/s - VCO not settled
14893   JITTER Gen+Rx 2Mb/s All-1's 13UI 100Hz - Result too low
14894   JITTER Gen+Rx 2Mb/s All-1's 13UI 100Hz - Result too high
14898   JITTER Gen+Rx 2Mb/s - jitter not locked
14899   JITTER Gen+Rx 2Mb/s - VCO not settled
14902   JITTER Gen+Rx 2Mb/s All-1's 20UI 100Hz - Over-range not generated
14908   JITTER Gen+Rx 2Mb/s - jitter not locked
14909   JITTER Gen+Rx 2Mb/s - VCO not settled
14911   JITTER GEN SDH 50UI 100Hz - SDH errors
14923   JITTER TX & STM-1E RX 13UI 100Hz  - Result too low
14924   JITTER TX & STM-1E RX 13UI 100Hz  - Result too high
14926   JITTER TX & STM-1E RX 13UI 100Hz  - STM LOS
14928   JITTER TX & STM-1E RX 13UI 100Hz  - Jitter not locked
14933   JITTER TX & STM-1O RX 13UI 100Hz  - Result too low
14934   JITTER TX & STM-1O RX 13UI 100Hz  - Result too high
14936   JITTER TX & STM-1O RX 13UI 100Hz  - STM LOS
14938   JITTER TX & STM-1O RX 13UI 100Hz  - Jitter not locked
14943   JITTER TX & STM-4O RX 12UI 100Hz  - Result too low
14944   JITTER TX & STM-4O RX 12UI 100Hz  - Result too high
14946   JITTER TX & STM-4O RX 12UI 100Hz  - STM LOS
14948   JITTER TX & STM-4O RX 12UI 100Hz  - Jitter not locked
15016   ATM 34Mb/s - Pattern Loss not detected
15017   ATM 34Mb/s - Pattern Loss detected
15026   ATM 34Mb/s - Cell Sync Loss not detected
15027   ATM 34Mb/s - Cell Sync Loss detected
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15036   ATM 34Mb/s - Selected Cell Not Received not detected
15037   ATM 34Mb/s - Selected Cell Not Received detected
15046   ATM 34Mb/s - Congestion Experienced not detected
15047   ATM 34Mb/s - Congestion Experienced detected
15056   ATM 140Mb/s - VP-AIS not detected
15057   ATM 140Mb/s - VP-AIS detected
15066   ATM 140Mb/s - VP-RDI not detected
15067   ATM 140Mb/s - VP-RDI detected
15076   ATM 140Mb/s - VP-LOC not detected
15077   ATM 140Mb/s - VP-LOC detected
15086   ATM 140Mb/s - VC-AIS not detected
15087   ATM 140Mb/s - VC-AIS detected
15096   ATM 2Mb/s - VC-RDI not detected
15097   ATM 2Mb/s - VC-RDI detected
15106   ATM 2Mb/s - VC-LOC not detected
15107   ATM 2Mb/s - VC-LOC detected
15116   ATM 2Mb/s - Test Cell Loss not detected
15117   ATM 2Mb/s - Test Cell Loss detected
15124   ATM 2Mb/s - Loss of Frame not detected
15125   ATM 2Mb/s - Loss of Frame detected
15126   ATM 34Mb/s - Loss of Frame not detected
15127   ATM 34Mb/s - Loss of Frame detected
15128   ATM 140Mb/s - Loss of Frame not detected
15129   ATM 140Mb/s - Loss of Frame detected
15134   ATM 2Mb/s - RAI not detected
15135   ATM 2Mb/s - RAI detected
15136   ATM 34Mb/s - RDI not detected
15137   ATM 34Mb/s - RDI detected
15138   ATM 140Mb/s - RDI not detected
15139   ATM 140Mb/s - RDI detected
15144   ATM 2Mb/s - AIS not detected
15145   ATM 2Mb/s - AIS detected
15146   ATM 34Mb/s - AIS not detected
15147   ATM 34Mb/s - AIS detected
15148   ATM 140Mb/s - AIS not detected
15149   ATM 140Mb/s - AIS detected
15150   ATM 34Mb/s - F/G rate 80000Cell/sec - Signal Loss
15151   ATM 34Mb/s - F/G rate 80000Cell/sec - Loss of Cell Synchronisation
15152   ATM 34Mb/s - F/G rate 80000Cell/sec - Pattern Loss
15153   ATM 34Mb/s - F/G rate 80000Cell/sec - Received Cell Count = Result Low
15154   ATM 34Mb/s - F/G rate 80000Cell/sec - Received Cell Count = Result High
15155   ATM 34Mb/s - F/G rate 80000Cell/sec - Selected Cell Not Received detected
15156   ATM 34Mb/s - F/G rate 80000Cell/sec - Received Cell Count = Result Invalid
15160   ATM 34Mb/s - F/G rate 40000Cell/sec - Signal Loss
15161   ATM 34Mb/s - F/G rate 40000Cell/sec - Loss of Cell Synchronisation
15162   ATM 34Mb/s - F/G rate 40000Cell/sec - Pattern Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15163   ATM 34Mb/s - F/G rate 40000Cell/sec - Received Cell Count = Result Low
15164   ATM 34Mb/s - F/G rate 40000Cell/sec - Received Cell Count = Result High
15165   ATM 34Mb/s - F/G rate 40000Cell/sec - Selected Cell Not Received detected
15166   ATM 34Mb/s - F/G rate 40000Cell/sec - Received Cell Count = Result Invalid
15170   ATM 34Mb/s - F/G rate 100Cell/sec - Signal Loss
15171   ATM 34Mb/s - F/G rate 100Cell/sec - Loss of Cell Synchronisation
15172   ATM 34Mb/s - F/G rate 100Cell/sec - Pattern Loss
15173   ATM 34Mb/s - F/G rate 100Cell/sec - Received Cell Count = Result Low
15174   ATM 34Mb/s - F/G rate 100Cell/sec - Received Cell Count = Result High
15175   ATM 34Mb/s - F/G rate 100Cell/sec - Selected Cell Not Received detected
15176   ATM 34Mb/s - F/G rate 100Cell/sec - Received Cell Count = Result Invalid
15180   ATM 34Mb/s - F/G rate 24000Cell/sec - Signal Loss
15181   ATM 34Mb/s - F/G rate 24000Cell/sec - Loss of Cell Synchronisation
15182   ATM 34Mb/s - F/G rate 24000Cell/sec - Pattern Loss
15183   ATM 34Mb/s - F/G rate 24000Cell/sec - Received Cell Count = Result Low
15184   ATM 34Mb/s - F/G rate 24000Cell/sec - Received Cell Count = Result High
15185   ATM 34Mb/s - F/G rate 24000Cell/sec - Selected Cell Not Received detected
15186   ATM 34Mb/s - F/G rate 24000Cell/sec - Received Cell Count = Result Invalid
15190   ATM 34Mb/s - #1 B/G rate 70% - Signal Loss
15191   ATM 34Mb/s - #1 B/G rate 70% - Loss of Cell Synchronisation
15192   ATM 34Mb/s - #1 B/G rate 70% - Pattern Loss
15193   ATM 34Mb/s - #1 B/G rate 70% - Received Cell Count = Result Low
15194   ATM 34Mb/s - #1 B/G rate 70% - Received Cell Count = Result High
15195   ATM 34Mb/s - #1 B/G rate 70% - Selected Cell Not Received detected
15196   ATM 34Mb/s - #1 B/G rate 70% - Received Cell Count = Result Invalid
15200   ATM 34Mb/s - #1 B/G rate 25% - Signal Loss
15201   ATM 34Mb/s - #1 B/G rate 25% - Loss of Cell Synchronisation
15202   ATM 34Mb/s - #1 B/G rate 25% - Pattern Loss
15203   ATM 34Mb/s - #1 B/G rate 25% - Received Cell Count = Result Low
15204   ATM 34Mb/s - #1 B/G rate 25% - Received Cell Count = Result High
15205   ATM 34Mb/s - #1 B/G rate 25% - Selected Cell Not Received detected
15206   ATM 34Mb/s - #1 B/G rate 25% - Received Cell Count = Result Invalid
15210   ATM 34Mb/s - #2 B/G rate 45% - Signal Loss
15211   ATM 34Mb/s - #2 B/G rate 45% - Loss of Cell Synchronisation
15212   ATM 34Mb/s - #2 B/G rate 45% - Pattern Loss
15213   ATM 34Mb/s - #2 B/G rate 45% - Received Cell Count = Result Low
15214   ATM 34Mb/s - #2 B/G rate 45% - Received Cell Count = Result High
15215   ATM 34Mb/s - #2 B/G rate 45% - Selected Cell Not Received detected
15216   ATM 34Mb/s - #2 B/G rate 45% - Received Cell Count = Result Invalid
15220   ATM 34Mb/s - #2 B/G rate 20% - Signal Loss
15221   ATM 34Mb/s - #2 B/G rate 20% - Loss of Cell Synchronisation
15222   ATM 34Mb/s - #2 B/G rate 20% - Pattern Loss
15223   ATM 34Mb/s - #2 B/G rate 20% - Received Cell Count = Result Low
15224   ATM 34Mb/s - #2 B/G rate 20% - Received Cell Count = Result High
15225   ATM 34Mb/s - #2 B/G rate 20% - Selected Cell Not Received detected
15226   ATM 34Mb/s - #2 B/G rate 20% - Received Cell Count = Result Invalid
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15230   ATM 34Mb/s - #3 B/G rate 25% - Signal Loss
15231   ATM 34Mb/s - #3 B/G rate 25% - Loss of Cell Synchronisation
15232   ATM 34Mb/s - #3 B/G rate 25% - Pattern Loss
15233   ATM 34Mb/s - #3 B/G rate 25% - Received Cell Count = Result Low
15234   ATM 34Mb/s - #3 B/G rate 25% - Received Cell Count = Result High
15235   ATM 34Mb/s - #3 B/G rate 25% - Selected Cell Not Received detected
15236   ATM 34Mb/s - #3 B/G rate 25% - Received Cell Count = Result Invalid
15240   ATM 34Mb/s - #3 B/G rate 15% - Signal Loss
15241   ATM 34Mb/s - #3 B/G rate 15% - Loss of Cell Synchronisation
15242   ATM 34Mb/s - #3 B/G rate 15% - Pattern Loss
15243   ATM 34Mb/s - #3 B/G rate 15% - Received Cell Count = Result Low
15244   ATM 34Mb/s - #3 B/G rate 15% - Received Cell Count = Result High
15245   ATM 34Mb/s - #3 B/G rate 15% - Selected Cell Not Received detected
15246   ATM 34Mb/s - #3 B/G rate 15% - Received Cell Count = Result Invalid
15250   ATM 34Mb/s - Fill (Idle) 10% - Signal Loss
15251   ATM 34Mb/s - Fill (Idle) 10% - Loss of Cell Synchronisation
15252   ATM 34Mb/s - Fill (Idle) 10% - Pattern Loss
15253   ATM 34Mb/s - Fill (Idle) 10% - Received Cell Count = Result Low
15254   ATM 34Mb/s - Fill (Idle) 10% - Received Cell Count = Result High
15255   ATM 34Mb/s - Fill (Idle) 10% - Selected Cell Not Received detected
15256   ATM 34Mb/s - Fill (Idle) 10% - Received Cell Count = Result Invalid
15260   ATM 34Mb/s - Periodic 2000Cell/sec - Signal Loss
15261   ATM 34Mb/s - Periodic 2000Cell/sec - Loss of Cell Synchronisation
15262   ATM 34Mb/s - Periodic 2000Cell/sec - Pattern Loss
15263   ATM 34Mb/s - Periodic 2000Cell/sec - Received Cell Count = Result Low
15264   ATM 34Mb/s - Periodic 2000Cell/sec - Received Cell Count = Result High
15265   ATM 34Mb/s - Periodic 2000Cell/sec - Selected Cell Not Received detected
15266   ATM 34Mb/s - Periodic 2000Cell/sec - Received Cell Count = Result Invalid
15270   ATM 34Mb/s - Burst    2000Cell/sec - Signal Loss
15271   ATM 34Mb/s - Burst    2000Cell/sec - Loss of Cell Synchronisation
15272   ATM 34Mb/s - Burst    2000Cell/sec - Pattern Loss
15273   ATM 34Mb/s - Burst    2000Cell/sec - Received Cell Count = Result Low
15274   ATM 34Mb/s - Burst    2000Cell/sec - Received Cell Count = Result High
15275   ATM 34Mb/s - Burst    2000Cell/sec - Selected Cell Not Received not
detected
15276   ATM 34Mb/s - Burst    2000Cell/sec - Received Cell Count = Result Invalid
15280   ATM 34Mb/s - Periodic+Burst - Signal Loss
15281   ATM 34Mb/s - Periodic+Burst - Loss of Cell Synchronisation
15282   ATM 34Mb/s - Periodic+Burst - Pattern Loss
15283   ATM 34Mb/s - Periodic+Burst - Received Cell Count = Result Low
15284   ATM 34Mb/s - Periodic+Burst - Received Cell Count = Result High
15285   ATM 34Mb/s - Periodic+Burst - Selected Cell Not Received detected
15286   ATM 34Mb/s - Periodic+Burst - Received Cell Count = Result Invalid
15290   ATM 2Mb/s - CRC4 error add = Signal Loss
15291   ATM 2Mb/s - CRC4 error add = Loss of Cell Synchronisation
15292   ATM 2Mb/s - CRC4 error add = Pattern Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15293   ATM 2Mb/s - CRC4 error add = OFF Result Low
15294   ATM 2Mb/s - CRC4 error add = OFF Result High
15295   ATM 2Mb/s - CRC4 error add = Selected Cell Not Received detected
15296   ATM 2Mb/s - CRC4 error add = OFF Result Invalid
15297   ATM 2Mb/s - CRC4 error add = SINGLE Result Low
15298   ATM 2Mb/s - CRC4 error add = SINGLE Result High
15299   ATM 2Mb/s - CRC4 error add = SINGLE Result Invalid
15300   ATM 2Mb/s - REBE error add = Signal Loss
15301   ATM 2Mb/s - REBE error add = Loss of Cell Synchronisation
15302   ATM 2Mb/s - REBE error add = Pattern Loss
15303   ATM 2Mb/s - REBE error add = OFF Result Low
15304   ATM 2Mb/s - REBE error add = OFF Result High
15305   ATM 2Mb/s - REBE error add = Selected Cell Not Received detected
15306   ATM 2Mb/s - REBE error add = OFF Result Invalid
15307   ATM 2Mb/s - REBE error add = SINGLE Result Low
15308   ATM 2Mb/s - REBE error add = SINGLE Result High
15309   ATM 2Mb/s - REBE error add = SINGLE Result Invalid
15310   ATM 34Mb/s - EM BIP error add = Signal Loss
15311   ATM 34Mb/s - EM BIP error add = Loss of Cell Synchronisation
15312   ATM 34Mb/s - EM BIP error add = Pattern Loss
15313   ATM 34Mb/s - EM BIP error add = OFF Result Low
15314   ATM 34Mb/s - EM BIP error add = OFF Result High
15315   ATM 34Mb/s - EM BIP error add = Selected Cell Not Received detected
15316   ATM 34Mb/s - EM BIP error add = OFF Result Invalid
15317   ATM 34Mb/s - EM BIP error add = SINGLE Result Low
15318   ATM 34Mb/s - EM BIP error add = SINGLE Result High
15319   ATM 34Mb/s - EM BIP error add = SINGLE Result Invalid
15320   ATM 140Mb/s - EM BIP error add = Signal Loss
15321   ATM 140Mb/s - EM BIP error add = Loss of Cell Synchronisation
15322   ATM 140Mb/s - EM BIP error add = Pattern Loss
15323   ATM 140Mb/s - EM BIP error add = OFF Result Low
15324   ATM 140Mb/s - EM BIP error add = OFF Result High
15325   ATM 140Mb/s - EM BIP error add = Selected Cell Not Received detected
15326   ATM 140Mb/s - EM BIP error add = OFF Result Invalid
15327   ATM 140Mb/s - EM BIP error add = SINGLE Result Low
15328   ATM 140Mb/s - EM BIP error add = SINGLE Result High
15329   ATM 140Mb/s - EM BIP error add = SINGLE Result Invalid
15330   ATM 34Mb/s - REI error add = Signal Loss
15331   ATM 34Mb/s - REI error add = Loss of Cell Synchronisation
15332   ATM 34Mb/s - REI error add = Pattern Loss
15333   ATM 34Mb/s - REI error add = OFF Result Low
15334   ATM 34Mb/s - REI error add = OFF Result High
15335   ATM 34Mb/s - REI error add = Selected Cell Not Received detected
15336   ATM 34Mb/s - REI error add = OFF Result Invalid
15337   ATM 34Mb/s - REI error add = ON Result Low
15338   ATM 34Mb/s - REI error add = ON Result High
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15339   ATM 34Mb/s - REI error add = ON Result Invalid
15340   ATM 140Mb/s - REI error add = Signal Loss
15341   ATM 140Mb/s - REI error add = Loss of Cell Synchronisation
15342   ATM 140Mb/s - REI error add = Pattern Loss
15343   ATM 140Mb/s - REI error add = OFF Result Low
15344   ATM 140Mb/s - REI error add = OFF Result High
15345   ATM 140Mb/s - REI error add = Selected Cell Not Received detected
15346   ATM 140Mb/s - REI error add = OFF Result Invalid
15347   ATM 140Mb/s - REI error add = ON Result Low
15348   ATM 140Mb/s - REI error add = ON Result High
15349   ATM 140Mb/s - REI error add = ON Result Invalid
15350   ATM 34Mb/s - SINGLE HEC error add = Signal Loss
15351   ATM 34Mb/s - SINGLE HEC error add = Loss of Cell Synchronisation
15352   ATM 34Mb/s - SINGLE HEC error add = Pattern Loss
15353   ATM 34Mb/s - SINGLE HEC error add = OFF Result Low
15354   ATM 34Mb/s - SINGLE HEC error add = OFF Result High
15355   ATM 34Mb/s - SINGLE HEC error add = Selected Cell Not Received detected
15356   ATM 34Mb/s - SINGLE HEC error add = OFF Result Invalid
15357   ATM 34Mb/s - SINGLE HEC error add = SINGLE Result Low
15358   ATM 34Mb/s - SINGLE HEC error add = SINGLE Result High
15359   ATM 34Mb/s - SINGLE HEC error add = SINGLE Result Invalid
15360   ATM 34Mb/s - SINGLE HEC error add = Signal Loss
15361   ATM 34Mb/s - SINGLE HEC error add = Loss of Cell Synchronisation
15362   ATM 34Mb/s - SINGLE HEC error add = Pattern Loss
15363   ATM 34Mb/s - SINGLE HEC error add = SINGLE (INV HEC) Result Low
15364   ATM 34Mb/s - SINGLE HEC error add = SINGLE (INV HEC) Result High
15365   ATM 34Mb/s - SINGLE HEC error add = Selected Cell Not Received detected
15366   ATM 34Mb/s - SINGLE HEC error add = SINGLE (INV HEC) Result Invalid
15367   ATM 34Mb/s - SINGLE HEC error add = 1..0E-3 Result Low
15368   ATM 34Mb/s - SINGLE HEC error add = 1..0E-3 Result High
15369   ATM 34Mb/s - SINGLE HEC error add = 1..0E-3 Result Invalid
15370   ATM 34Mb/s - SINGLE HEC error add = Signal Loss
15371   ATM 34Mb/s - SINGLE HEC error add = Loss of Cell Synchronisation
15372   ATM 34Mb/s - SINGLE HEC error add = Pattern Loss
15373   ATM 34Mb/s - SINGLE HEC error add = BURST (COR HEC) Result Low
15374   ATM 34Mb/s - SINGLE HEC error add = BURST (COR HEC) Result High
15375   ATM 34Mb/s - SINGLE HEC error add = Selected Cell Not Received detected
15376   ATM 34Mb/s - SINGLE HEC error add = BURST (COR HEC) Result Invalid
15377   ATM 34Mb/s - SINGLE HEC error add = BURST (INV HEC) Result Low
15378   ATM 34Mb/s - SINGLE HEC error add = BURST (INV HEC) Result High
15379   ATM 34Mb/s - SINGLE HEC error add = BURST (INV HEC) Result Invalid
15380   ATM 34Mb/s - DOUBLE HEC error add = Signal Loss
15381   ATM 34Mb/s - DOUBLE HEC error add = Loss of Cell Synchronisation
15382   ATM 34Mb/s - DOUBLE HEC error add = Pattern Loss
15383   ATM 34Mb/s - DOUBLE HEC error add = OFF Result Low
15384   ATM 34Mb/s - DOUBLE HEC error add = OFF Result High
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15385   ATM 34Mb/s - DOUBLE HEC error add = Selected Cell Not Received detected
15386   ATM 34Mb/s - DOUBLE HEC error add = OFF Result Invalid
15387   ATM 34Mb/s - DOUBLE HEC error add = SINGLE Result Low
15388   ATM 34Mb/s - DOUBLE HEC error add = SINGLE Result High
15389   ATM 34Mb/s - DOUBLE HEC error add = SINGLE Result Invalid
15390   ATM 34Mb/s - DOUBLE HEC error add = Signal Loss
15391   ATM 34Mb/s - DOUBLE HEC error add = Loss of Cell Synchronisation
15392   ATM 34Mb/s - DOUBLE HEC error add = Pattern Loss
15393   ATM 34Mb/s - DOUBLE HEC error add = SINGLE (COR HEC) Result Low
15394   ATM 34Mb/s - DOUBLE HEC error add = SINGLE (COR HEC) Result High
15395   ATM 34Mb/s - DOUBLE HEC error add = Selected Cell Not Received detected
15396   ATM 34Mb/s - DOUBLE HEC error add = SINGLE (COR HEC) Result Invalid
15397   ATM 34Mb/s - DOUBLE HEC error add = 1..0E-3 Result Low
15398   ATM 34Mb/s - DOUBLE HEC error add = 1..0E-3 Result High
15399   ATM 34Mb/s - DOUBLE HEC error add = 1..0E-3 Result Invalid
15400   ATM 34Mb/s - DOUBLE HEC error add = Signal Loss
15401   ATM 34Mb/s - DOUBLE HEC error add = Loss of Cell Synchronisation
15402   ATM 34Mb/s - DOUBLE HEC error add = Pattern Loss
15403   ATM 34Mb/s - DOUBLE HEC error add = BURST (COR HEC) Result Low
15404   ATM 34Mb/s - DOUBLE HEC error add = BURST (COR HEC) Result High
15405   ATM 34Mb/s - DOUBLE HEC error add = Selected Cell Not Received detected
15406   ATM 34Mb/s - DOUBLE HEC error add = BURST (COR HEC) Result Invalid
15407   ATM 34Mb/s - DOUBLE HEC error add = BURST (INV HEC) Result Low
15408   ATM 34Mb/s - DOUBLE HEC error add = BURST (INV HEC) Result High
15409   ATM 34Mb/s - DOUBLE HEC error add = BURST (INV HEC) Result Invalid
15410   ATM 34Mb/s - BIT error add = Signal Loss
15411   ATM 34Mb/s - BIT error add = Loss of Cell Synchronisation
15412   ATM 34Mb/s - BIT error add = Pattern Loss
15413   ATM 34Mb/s - BIT error add = OFF Result Low
15414   ATM 34Mb/s - BIT error add = OFF Result High
15415   ATM 34Mb/s - BIT error add = Selected Cell Not Received detected
15416   ATM 34Mb/s - BIT error add = OFF Result Invalid
15417   ATM 34Mb/s - BIT error add = SINGLE Result Low
15418   ATM 34Mb/s - BIT error add = SINGLE Result High
15419   ATM 34Mb/s - BIT error add = SINGLE Result Invalid
15420   ATM 34Mb/s - BIT error add = Signal Loss
15421   ATM 34Mb/s - BIT error add = Loss of Cell Synchronisation
15422   ATM 34Mb/s - BIT error add = Pattern Loss
15423   ATM 34Mb/s - BIT error add = SINGLE (Err Cell Cnt) Result Low
15424   ATM 34Mb/s - BIT error add = SINGLE (Err Cell Cnt) Result High
15425   ATM 34Mb/s - BIT error add = Selected Cell Not Received detected
15426   ATM 34Mb/s - BIT error add = SINGLE (Err Cell Cnt) Result Invalid
15427   ATM 34Mb/s - BIT error add = 1..0E-3 Result Low
15428   ATM 34Mb/s - BIT error add = 1..0E-3 Result High
15429   ATM 34Mb/s - BIT error add = 1..0E-3 Result Invalid
15430   ATM 140Mb/s - F/G GFC = 10 - Signal Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15431   ATM 140Mb/s - F/G GFC = 10 - Loss of Cell Synchronisation
15433   ATM 140Mb/s - F/G GFC = 10 Received Cell Count = Result Low
15434   ATM 140Mb/s - F/G GFC = 10 Received Cell Count = Result High
15435   ATM 140Mb/s - F/G GFC = 10 - Selected Cell Not Received detected
15436   ATM 140Mb/s - F/G GFC = 10 Received Cell Count = Result Invalid
15440   ATM 140Mb/s - F/G VPI = 85 - Signal Loss
15441   ATM 140Mb/s - F/G VPI = 85 - Loss of Cell Synchronisation
15443   ATM 140Mb/s - F/G VPI = 85 Received Cell Count = Result Low
15444   ATM 140Mb/s - F/G VPI = 85 Received Cell Count = Result High
15445   ATM 140Mb/s - F/G VPI = 85 - Selected Cell Not Received detected
15446   ATM 140Mb/s - F/G VPI = 85 Received Cell Count = Result Invalid
15450   ATM 140Mb/s - F/G VPI = 2730 - Signal Loss
15451   ATM 140Mb/s - F/G VPI = 2730 - Loss of Cell Synchronisation
15453   ATM 140Mb/s - F/G VPI = 2730 Received Cell Count = Result Low
15454   ATM 140Mb/s - F/G VPI = 2730 Received Cell Count = Result High
15455   ATM 140Mb/s - F/G VPI = 2730 - Selected Cell Not Received detected
15456   ATM 140Mb/s - F/G VPI = 2730 Received Cell Count = Result Invalid
15460   ATM 140Mb/s - F/G VCI = 21845 - Signal Loss
15461   ATM 140Mb/s - F/G VCI = 21845 - Loss of Cell Synchronisation
15463   ATM 140Mb/s - F/G VCI = 21845 Received Cell Count = Result Low
15464   ATM 140Mb/s - F/G VCI = 21845 Received Cell Count = Result High
15465   ATM 140Mb/s - F/G VCI = 21845 - Selected Cell Not Received detected
15466   ATM 140Mb/s - F/G VCI = 21845 Received Cell Count = Result Invalid
15470   ATM 140Mb/s - F/G PTI = 000 - Signal Loss
15471   ATM 140Mb/s - F/G PTI = 000 - Loss of Cell Synchronisation
15473   ATM 140Mb/s - F/G PTI = 000 Received Cell Count = Result Low
15474   ATM 140Mb/s - F/G PTI = 000 Received Cell Count = Result High
15475   ATM 140Mb/s - F/G PTI = 000 - Selected Cell Not Received detected
15476   ATM 140Mb/s - F/G PTI = 000 Received Cell Count = Result Invalid
15480   ATM 140Mb/s - F/G PTI = 010 - Signal Loss
15481   ATM 140Mb/s - F/G PTI = 010 - Loss of Cell Synchronisation
15483   ATM 140Mb/s - F/G PTI = 010 Received Cell Count = Result Low
15484   ATM 140Mb/s - F/G PTI = 010 Received Cell Count = Result High
15485   ATM 140Mb/s - F/G PTI = 010 - Selected Cell Not Received detected
15486   ATM 140Mb/s - F/G PTI = 010 Received Cell Count = Result Invalid
15490   ATM 140Mb/s - F/G CLP = 0 - Signal Loss
15491   ATM 140Mb/s - F/G CLP = 0 - Loss of Cell Synchronisation
15493   ATM 140Mb/s - F/G CLP = 0 Received Cell Count = Result Low
15494   ATM 140Mb/s - F/G CLP = 0 Received Cell Count = Result High
15495   ATM 140Mb/s - F/G CLP = 0 - Selected Cell Not Received detected
15496   ATM 140Mb/s - F/G CLP = 0 Received Cell Count = Result Invalid
15500   ATM 140Mb/s - F/G CLP = 1 - Signal Loss
15501   ATM 140Mb/s - F/G CLP = 1 - Loss of Cell Synchronisation
15503   ATM 140Mb/s - F/G CLP = 1 Received Cell Count = Result Low
15504   ATM 140Mb/s - F/G CLP = 1 Received Cell Count = Result High
15505   ATM 140Mb/s - F/G CLP = 1 - Selected Cell Not Received detected
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15506   ATM 140Mb/s - F/G CLP = 1 Received Cell Count = Result Invalid
15510   ATM 140Mb/s - RX GFC = X - Signal Loss
15511   ATM 140Mb/s - RX GFC = X - Loss of Cell Synchronisation
15513   ATM 140Mb/s - RX GFC = X Received Cell Count = Result Low
15514   ATM 140Mb/s - RX GFC = X Received Cell Count = Result High
15515   ATM 140Mb/s - RX GFC = X - Selected Cell Not Received detected
15516   ATM 140Mb/s - RX GFC = X Received Cell Count = Result Invalid
15520   ATM 140Mb/s - RX GFC = 2 - Signal Loss
15521   ATM 140Mb/s - RX GFC = 2 - Loss of Cell Synchronisation
15523   ATM 140Mb/s - RX GFC = 2 Received Cell Count = Result Low
15524   ATM 140Mb/s - RX GFC = 2 Received Cell Count = Result High
15525   ATM 140Mb/s - RX GFC = 2 - Selected Cell Not Received detected
15526   ATM 140Mb/s - RX GFC = 2 Received Cell Count = Result Invalid
15530   ATM 140Mb/s - RX VPI = X - Signal Loss
15531   ATM 140Mb/s - RX VPI = X - Loss of Cell Synchronisation
15533   ATM 140Mb/s - RX VPI = X Received Cell Count = Result Low
15534   ATM 140Mb/s - RX VPI = X Received Cell Count = Result High
15535   ATM 140Mb/s - RX VPI = X - Selected Cell Not Received detected
15536   ATM 140Mb/s - RX VPI = X Received Cell Count = Result Invalid
15540   ATM 140Mb/s - RX VPI = 0 - Signal Loss
15541   ATM 140Mb/s - RX VPI = 0 - Loss of Cell Synchronisation
15543   ATM 140Mb/s - RX VPI = 0 Received Cell Count = Result Low
15544   ATM 140Mb/s - RX VPI = 0 Received Cell Count = Result High
15545   ATM 140Mb/s - RX VPI = 0 - Selected Cell Not Received detected
15546   ATM 140Mb/s - RX VPI = 0 Received Cell Count = Result Invalid
15550   ATM 140Mb/s - RX VPI = 85 - Signal Loss
15551   ATM 140Mb/s - RX VPI = 85 - Loss of Cell Synchronisation
15553   ATM 140Mb/s - RX VPI = 85 Received Cell Count = Result Low
15554   ATM 140Mb/s - RX VPI = 85 Received Cell Count = Result High
15555   ATM 140Mb/s - RX VPI = 85 - Selected Cell Not Received detected
15556   ATM 140Mb/s - RX VPI = 85 Received Cell Count = Result Invalid
15560   ATM 140Mb/s - RX VCI = X - Signal Loss
15561   ATM 140Mb/s - RX VCI = X - Loss of Cell Synchronisation
15563   ATM 140Mb/s - RX VCI = X Received Cell Count = Result Low
15564   ATM 140Mb/s - RX VCI = X Received Cell Count = Result High
15565   ATM 140Mb/s - RX VCI = X - Selected Cell Not Received detected
15566   ATM 140Mb/s - RX VCI = X Received Cell Count = Result Invalid
15570   ATM 140Mb/s - RX VCI = 33 - Signal Loss
15571   ATM 140Mb/s - RX VCI = 33 - Loss of Cell Synchronisation
15573   ATM 140Mb/s - RX VCI = 33 Received Cell Count = Result Low
15574   ATM 140Mb/s - RX VCI = 33 Received Cell Count = Result High
15575   ATM 140Mb/s - RX VCI = 33 - Selected Cell Not Received detected
15576   ATM 140Mb/s - RX VCI = 33 Received Cell Count = Result Invalid
15580   ATM 140Mb/s - RX PTI = XXX - Signal Loss
15581   ATM 140Mb/s - RX PTI = XXX - Loss of Cell Synchronisation
15583   ATM 140Mb/s - RX PTI = XXX Received Cell Count = Result Low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15584   ATM 140Mb/s - RX PTI = XXX Received Cell Count = Result High
15585   ATM 140Mb/s - RX PTI = XXX - Selected Cell Not Received detected
15586   ATM 140Mb/s - RX PTI = XXX Received Cell Count = Result Invalid
15590   ATM 140Mb/s - RX PTI = 0XX - Signal Loss
15591   ATM 140Mb/s - RX PTI = 0XX - Loss of Cell Synchronisation
15593   ATM 140Mb/s - RX PTI = 0XX Received Cell Count = Result Low
15594   ATM 140Mb/s - RX PTI = 0XX Received Cell Count = Result High
15595   ATM 140Mb/s - RX PTI = 0XX - Selected Cell Not Received detected
15596   ATM 140Mb/s - RX PTI = 0XX Received Cell Count = Result Invalid
15600   ATM 140Mb/s - RX PTI = X1X - Signal Loss
15601   ATM 140Mb/s - RX PTI = X1X - Loss of Cell Synchronisation
15603   ATM 140Mb/s - RX PTI = X1X Received Cell Count = Result Low
15604   ATM 140Mb/s - RX PTI = X1X Received Cell Count = Result High
15605   ATM 140Mb/s - RX PTI = X1X - Selected Cell Not Received detected
15606   ATM 140Mb/s - RX PTI = X1X Received Cell Count = Result Invalid
15610   ATM 140Mb/s - RX PTI = XX0 - Signal Loss
15611   ATM 140Mb/s - RX PTI = XX0 - Loss of Cell Synchronisation
15613   ATM 140Mb/s - RX PTI = XX0 Received Cell Count = Result Low
15614   ATM 140Mb/s - RX PTI = XX0 Received Cell Count = Result High
15615   ATM 140Mb/s - RX PTI = XX0 - Selected Cell Not Received detected
15616   ATM 140Mb/s - RX PTI = XX0 Received Cell Count = Result Invalid
15620   ATM 140Mb/s - RX CLP = X - Signal Loss
15621   ATM 140Mb/s - RX CLP = X - Loss of Cell Synchronisation
15623   ATM 140Mb/s - RX CLP = X Received Cell Count = Result Low
15624   ATM 140Mb/s - RX CLP = X Received Cell Count = Result High
15625   ATM 140Mb/s - RX CLP = X - Selected Cell Not Received detected
15626   ATM 140Mb/s - RX CLP = X Received Cell Count = Result Invalid
15630   ATM 140Mb/s - RX CLP = 0 - Signal Loss
15631   ATM 140Mb/s - RX CLP = 0 - Loss of Cell Synchronisation
15633   ATM 140Mb/s - RX CLP = 0 Received Cell Count = Result Low
15634   ATM 140Mb/s - RX CLP = 0 Received Cell Count = Result High
15635   ATM 140Mb/s - RX CLP = 0 - Selected Cell Not Received detected
15636   ATM 140Mb/s - RX CLP = 0 Received Cell Count = Result Invalid
15640   ATM 140Mb/s - RX CLP = 1 - Signal Loss
15641   ATM 140Mb/s - RX CLP = 1 - Loss of Cell Synchronisation
15643   ATM 140Mb/s - RX CLP = 1 Received Cell Count = Result Low
15644   ATM 140Mb/s - RX CLP = 1 Received Cell Count = Result High
15645   ATM 140Mb/s - RX CLP = 1 - Selected Cell Not Received detected
15646   ATM 140Mb/s - RX CLP = 1 Received Cell Count = Result Invalid
15650   ATM 34Mb/s - Cross Cell 2^15-1 - Signal Loss
15651   ATM 34Mb/s - Cross Cell 2^15-1 - Loss of Cell Synchronisation
15652   ATM 34Mb/s - Cross Cell 2^15-1 - Pattern Loss
15654   ATM 34Mb/s - Cross Cell 2^15-1 - Pattern Errors Present
15655   ATM 34Mb/s - Cross Cell 2^15-1 - Selected Cell Not Received detected
15656   ATM 34Mb/s - Cross Cell 2^15-1 - Result Invalid
15660   ATM 34Mb/s - Cross Cell 2^23-1 - Signal Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15661   ATM 34Mb/s - Cross Cell 2^23-1 - Loss of Cell Synchronisation
15662   ATM 34Mb/s - Cross Cell 2^23-1 - Pattern Loss
15664   ATM 34Mb/s - Cross Cell 2^23-1 - Pattern Errors Present
15665   ATM 34Mb/s - Cross Cell 2^23-1 - Selected Cell Not Received detected
15666   ATM 34Mb/s - Cross Cell 2^23-1 - Result Invalid
15670   ATM 34Mb/s - Single Cell 2^9-1 - Signal Loss
15671   ATM 34Mb/s - Single Cell 2^9-1 - Loss of Cell Synchronisation
15672   ATM 34Mb/s - Single Cell 2^9-1 - Pattern Loss
15674   ATM 34Mb/s - Single Cell 2^9-1 - Pattern Errors Present
15675   ATM 34Mb/s - Single Cell 2^9-1 - Selected Cell Not Received detected
15676   ATM 34Mb/s - Single Cell 2^9-1 - Result Invalid
15680   ATM 140Mb/s - User Word 00000000 - Signal Loss
15681   ATM 140Mb/s - User Word 00000000 - Loss of Cell Synchronisation
15682   ATM 140Mb/s - User Word 00000000 - Pattern Loss
15684   ATM 140Mb/s - User Word 00000000 - Pattern Errors Present
15685   ATM 140Mb/s - User Word 00000000 - Selected Cell Not Received detected
15686   ATM 140Mb/s - User Word 00000000 - Result Invalid
15690   ATM 140Mb/s - User Word 11111111 - Signal Loss
15691   ATM 140Mb/s - User Word 11111111 - Loss of Cell Synchronisation
15692   ATM 140Mb/s - User Word 11111111 - Pattern Loss
15694   ATM 140Mb/s - User Word 11111111 - Pattern Errors Present
15695   ATM 140Mb/s - User Word 11111111 - Selected Cell Not Received detected
15696   ATM 140Mb/s - User Word 11111111 - Result Invalid
15700   ATM 2Mb/s - User Word 01010101 - Signal Loss
15701   ATM 2Mb/s - User Word 01010101 - Loss of Cell Synchronisation
15702   ATM 2Mb/s - User Word 01010101 - Pattern Loss
15704   ATM 2Mb/s - User Word 01010101 - Pattern Errors Present
15705   ATM 2Mb/s - User Word 01010101 - Selected Cell Not Received detected
15706   ATM 2Mb/s - User Word 01010101 - Result Invalid
15710   ATM 2Mb/s - Test Cell - Signal Loss
15711   ATM 2Mb/s - Test Cell - Loss of Cell Synchronisation
15712   ATM 2Mb/s - Test Cell - Pattern Loss
15714   ATM 2Mb/s - Test Cell - Pattern Errors Present
15715   ATM 2Mb/s - Test Cell - Selected Cell Not Received detected
15716   ATM 2Mb/s - Test Cell - Result Invalid
15720   ATM 34Mb/s - Single Header error add - Signal Loss
15721   ATM 34Mb/s - Single Header error add - Loss of Cell Synchronisation
15722   ATM 34Mb/s - Single Header error add - Pattern Loss
15723   ATM 34Mb/s - Single Header error add -  Cell Loss Count = Result Low
15724   ATM 34Mb/s - Single Header error add -  Cell Loss Count = Result High
15725   ATM 34Mb/s - Single Header error add - Selected Cell Not Received detected
15726   ATM 34Mb/s - Single Header error add -  Cell Loss Count = Result Invalid
15730   ATM 34Mb/s - Double Header error add - Signal Loss
15731   ATM 34Mb/s - Double Header error add - Loss of Cell Synchronisation
15732   ATM 34Mb/s - Double Header error add - Pattern Loss
15733   ATM 34Mb/s - Double Header error add -  Cell Loss Count = Result Low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15734   ATM 34Mb/s - Double Header error add -  Cell Loss Count = Result High
15735   ATM 34Mb/s - Double Header error add - Selected Cell Not Received detected
15736   ATM 34Mb/s - Double Header error add -  Cell Loss Count = Result Invalid
15740   ATM 34Mb/s - 100msec Double Header error add - Signal Loss
15741   ATM 34Mb/s - 100msec Double Header error add - Loss of Cell Synchronisation
15742   ATM 34Mb/s - 100msec Double Header error add - Pattern Loss
15743   ATM 34Mb/s - 100msec Double Header error add - Cell Loss Count = Result Low
15744   ATM 34Mb/s - 100msec Double Header error add -Cell Loss Count = Result High
15745   ATM 34Mb/s - 100msec Double Header error add - Selected Cell Not Received
         detected
15746   ATM 34Mb/s - 100msec Double Header error add -Cell Loss Count = Result
         Invalid
15750   ATM 34Mb/s - Type A - Signal Loss
15751   ATM 34Mb/s - Type A - Loss of Cell Synchronisation
15752   ATM 34Mb/s - Type A - Pattern Loss
15753   ATM 34Mb/s - Type A - Misinserted Cell Count = Result Low
15754   ATM 34Mb/s - Type A - Misinserted Cell Count = Result High
15755   ATM 34Mb/s - Type A - Selected Cell Not Received detected
15756   ATM 34Mb/s - Type A - Misinserted Cell Count = Result Invalid
15757   ATM 34Mb/s - Type A - Errored Cell Count = Result Low
15758   ATM 34Mb/s - Type A - Errored Cell Count = Result High
15759   ATM 34Mb/s - Type A - Errored Cell Count = Result Invalid
15760   ATM 34Mb/s - Type B - Signal Loss
15761   ATM 34Mb/s - Type B - Loss of Cell Synchronisation
15762   ATM 34Mb/s - Type B - Pattern Loss
15763   ATM 34Mb/s - Type B - Misinserted Cell Count = Result Low
15764   ATM 34Mb/s - Type B - Misinserted Cell Count = Result High
15765   ATM 34Mb/s - Type B - Selected Cell Not Received detected
15766   ATM 34Mb/s - Type B - Misinserted Cell Count = Result Invalid
15767   ATM 34Mb/s - Type B - Errored Cell Count = Result Low
15768   ATM 34Mb/s - Type B - Errored Cell Count = Result High
15769   ATM 34Mb/s - Type B - Errored Cell Count = Result Invalid
15770   ATM 34Mb/s - Type C - Signal Loss
15771   ATM 34Mb/s - Type C - Loss of Cell Synchronisation
15772   ATM 34Mb/s - Type C - Pattern Loss
15773   ATM 34Mb/s - Type C - Misinserted Cell Count = Result Low
15774   ATM 34Mb/s - Type C - Misinserted Cell Count = Result High
15775   ATM 34Mb/s - Type C - Selected Cell Not Received detected
15776   ATM 34Mb/s - Type C - Misinserted Cell Count = Result Invalid
15777   ATM 34Mb/s - Type C - Errored Cell Count = Result Low
15778   ATM 34Mb/s - Type C - Errored Cell Count = Result High
15779   ATM 34Mb/s - Type C - Errored Cell Count = Result Invalid
15780   ATM 34Mb/s - Mean Cell Transfer delay = Signal Loss
15781   ATM 34Mb/s - Mean Cell Transfer delay = Loss of Cell Synchronisation
15782   ATM 34Mb/s - Mean Cell Transfer delay = Pattern Loss
15783   ATM 34Mb/s - Mean Cell Transfer delay = 0 - Result Low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15784   ATM 34Mb/s - Mean Cell Transfer delay = 0 - Result High
15785   ATM 34Mb/s - Mean Cell Transfer delay = Selected Cell Not Received detected
15786   ATM 34Mb/s - Mean Cell Transfer delay = 0 - Result Invalid
15787   ATM 34Mb/s - Mean Cell Transfer delay = 307 - Result Low
15788   ATM 34Mb/s - Mean Cell Transfer delay = 307 - Result High
15789   ATM 34Mb/s - Mean Cell Transfer delay = 307 - Result Invalid
15790   ATM 34Mb/s - Gated Mean Cell Transfer delay = Signal Loss
15791   ATM 34Mb/s - Gated Mean Cell Transfer delay = Loss of Cell Synchronisation
15792   ATM 34Mb/s - Gated Mean Cell Transfer delay = Pattern Loss
15793   ATM 34Mb/s - Gated Mean Cell Transfer delay = 0 - Result Low
15794   ATM 34Mb/s - Gated Mean Cell Transfer delay = 0 - Result High
15795   ATM 34Mb/s -Gated Mean Cell Transfer delay =Selected Cell Not Received
         detected
15796   ATM 34Mb/s - Gated Mean Cell Transfer delay = 0 - Result Invalid
15797   ATM 34Mb/s - Gated Mean Cell Transfer delay = 307 - Result Low
15798   ATM 34Mb/s - Gated Mean Cell Transfer delay = 307 - Result High
15799   ATM 34Mb/s - Gated Mean Cell Transfer delay = 307 - Result Invalid
15800   ATM 34Mb/s - Max Cell Transfer delay = Signal Loss
15801   ATM 34Mb/s - Max Cell Transfer delay = Loss of Cell Synchronisation
15802   ATM 34Mb/s - Max Cell Transfer delay = Pattern Loss
15803   ATM 34Mb/s - Max Cell Transfer delay = 0 - Result Low
15804   ATM 34Mb/s - Max Cell Transfer delay = 0 - Result High
15805   ATM 34Mb/s - Max Cell Transfer delay = Selected Cell Not Received detected
15806   ATM 34Mb/s - Max Cell Transfer delay = 0 - Result Invalid
15807   ATM 34Mb/s - Max Cell Transfer delay = 307 - Result Low
15808   ATM 34Mb/s - Max Cell Transfer delay = 307 - Result High
15809   ATM 34Mb/s - Max Cell Transfer delay = 307 - Result Invalid
15810   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = Signal Loss
15811   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = Loss of Cell Synchronisation
15812   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = Pattern Loss
15813   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 0 - Result Low
15814   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 0 - Result High
15815   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = Selected Cell Not Received
        detected
15816   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 0 - Result Invalid
15817   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 625 - Result Low
15818   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 625 - Result High
15819   ATM 34Mb/s - Pk-to-Pk Cell Transfer delay = 625 - Result Invalid
15820   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Signal Loss
15821   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Loss of Cell Synchronisation
15822   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Pattern Loss
15823   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Result Low
15824   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Result High
15825   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Selected Cell Not Received
        detected
15826   ATM 34Mb/s - Bit Error Add = OFF (Err Cell)- Result Invalid
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
15830   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Signal Loss
15831   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Loss of Cell
        Synchronisation
15832   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Pattern Loss
15833   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Result Low
15834   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Result High
15835   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Selected Cell Not Received
        detected
15836   ATM 34Mb/s - Bit Error Add = SINGLE (Err Cell)- Result Invalid
15840   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Signal Loss
15841   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Loss of Cell
        Synchronisation
15842   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Pattern Loss
15843   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Result Low
15844   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Result High
15845   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Selected Cell Not Received
        detected
15846   ATM 34Mb/s - Bit Error Add = 1.0E-3 (Err Cell)- Result Invalid
15850   ATM 34Mb/s = NCCount - Type A - Signal Loss
15851   ATM 34Mb/s = NCCount - Type A - Loss of Cell Synchronisation
15852   ATM 34Mb/s = NCCount - Type A - Pattern Loss
15853   ATM 34Mb/s = NCCount - Type A - Result Low
15854   ATM 34Mb/s = NCCount - Type A - Result High
15855   ATM 34Mb/s = NCCount - Type A - Selected Cell Not Received detected
15856   ATM 34Mb/s = NCCount - Type A - Result Invalid
15860   ATM 34Mb/s = NCCount - Signal Loss
15861   ATM 34Mb/s = NCCount - Loss of Cell Synchronisation
15862   ATM 34Mb/s = NCCount - Pattern Loss
15863   ATM 34Mb/s = NCCount - Type B - Result Low
15864   ATM 34Mb/s = NCCount - Type B - Result High
15865   ATM 34Mb/s = NCCount - Selected Cell Not Received detected
15866   ATM 34Mb/s = NCCount - Type B - Result Invalid
15867   ATM 34Mb/s = NCCount - Type C - Result Low
15868   ATM 34Mb/s = NCCount - Type C - Result High
15869   ATM 34Mb/s = NCCount - Type C - Result Invalid
15870   ATM 34Mb/s - PCR 20000Cell/sec - Signal Loss
15871   ATM 34Mb/s - PCR 20000Cell/sec - Loss of Cell Synchronisation
15872   ATM 34Mb/s - PCR 20000Cell/sec - Pattern Loss
15873   ATM 34Mb/s - PCR 20000Cell/sec - Result Low
15874   ATM 34Mb/s - PCR 20000Cell/sec - Result High
15875   ATM 34Mb/s - PCR 20000Cell/sec - Selected Cell Not Received detected
15876   ATM 34Mb/s - PCR 20000Cell/sec - Result Invalid
15880   ATM 34Mb/s - PCR 60000Cell/sec - Signal Loss
15881   ATM 34Mb/s - PCR 60000Cell/sec - Loss of Cell Synchronisation
15882   ATM 34Mb/s - PCR 60000Cell/sec - Pattern Loss
15883   ATM 34Mb/s - PCR 60000Cell/sec - Result Low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
15884   ATM 34Mb/s - PCR 60000Cell/sec - Result High
15885   ATM 34Mb/s - PCR 60000Cell/sec - Selected Cell Not Received detected
15886   ATM 34Mb/s - PCR 60000Cell/sec - Result Invalid
15890   ATM - Trail Trace - Signal Loss
15891   ATM - Trail Trace - Loss of Cell Synchronisation
15892   ATM - Trail Trace - Pattern Loss
15895   ATM - Trail Trace - Selected Cell Not Received detected
15896   ATM 34Mb/s - TEST Trail Trace - String not correct
15897   ATM 140Mb/s - TEST Trail Trace - String not correct
15898   ATM 34Mb/s - USER Trail Trace - String not correct
15899   ATM 140Mb/s - USER Trail Trace - String not correct
15906   ATM 34Mb/s - LPM - F4 Segment -  Loss of Perf Management Not Detected
15907   ATM 34Mb/s - LPM - F4 Segment -  Loss of Perf Management Detected
15916   ATM 34Mb/s - LPM - F4 End-to-End -  Loss of Perf Management Not Detected
15917   ATM 34Mb/s - LPM - F4 End-to-End -  Loss of Perf Management Detected
15926   ATM 34Mb/s - LPM - F5 Segment -  Loss of Perf Management Not Detected
15927   ATM 34Mb/s - LPM - F5 Segment -  Loss of Perf Management Detected
15936   ATM 34Mb/s - LPM - F5 End-to-End -  Loss of Perf Management Not Detected
15937   ATM 34Mb/s - LPM - F5 End-to-End -  Loss of Perf Management Detected
15940   ATM 34Mb/s - POAM F4 Seg BEDC errors - Signal Loss
15941   ATM 34Mb/s - POAM F4 Seg BEDC errors - Loss of Cell Synchronisation
15942   ATM 34Mb/s - POAM F4 Seg BEDC errors - Pattern Loss
15943   ATM 34Mb/s - POAM F4 Seg BEDC errors (0)- Received Cell Count = Result Low
15944   ATM 34Mb/s - POAM F4 Seg BEDC errors (0) - Received Cell Count = Result
        High
15945   ATM 34Mb/s - POAM F4 Seg BEDC errors - Selected Cell Not Received detected
15946   ATM 34Mb/s - POAM F4 Seg BEDC errors (0) - Received Cell Count = Result
        Invalid
15947   ATM 34Mb/s - POAM F4 Seg BEDC errors (3) - Received Cell Count = Result Low
15948   ATM 34Mb/s - POAM F4 Seg BEDC errors (3) - Received Cell Count = Result
        High
15949   ATM 34Mb/s - POAM F4 Seg BEDC errors (3) - Received Cell Count = Result
        Invalid
15950   ATM 34Mb/s - POAM F4 End BEDC errors - Signal Loss
15951   ATM 34Mb/s - POAM F4 End BEDC errors - Loss of Cell Synchronisation
15952   ATM 34Mb/s - POAM F4 End BEDC errors - Pattern Loss
15953   ATM 34Mb/s - POAM F4 End BEDC errors (0) - Received Cell Count = Result Low
15954   ATM 34Mb/s - POAM F4 End BEDC errors (0) - Received Cell Count = Result
        High
15955   ATM 34Mb/s - POAM F4 End BEDC errors - Selected Cell Not Received detected
15956   ATM 34Mb/s - POAM F4 End BEDC errors (0) - Received Cell Count = Result
        Invalid
15957   ATM 34Mb/s - POAM F4 End BEDC errors (3) - Received Cell Count = Result Low
15958   ATM 34Mb/s - POAM F4 End BEDC errors (3) - Received Cell Count = Result
        High
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

15959 ATM 34Mb/s - POAM F4 End BEDC errors (3) -Received Cell Count =Result Invalid
15960 ATM 34Mb/s - POAM F5 Seg BEDC errors - Signal Loss
15961 ATM 34Mb/s - POAM F5 Seg BEDC errors - Loss of Cell Synchronisation
15962 ATM 34Mb/s - POAM F5 Seg BEDC errors - Pattern Loss
15963 ATM 34Mb/s - POAM F5 Seg BEDC errors (0) - Received Cell Count = Result Low
15964 ATM 34Mb/s - POAM F5 Seg BEDC errors (0) - Received Cell Count = Result High
15965 ATM 34Mb/s - POAM F5 Seg BEDC errors - Selected Cell Not Received detected
15966 ATM 34Mb/s - POAM F5 Seg BEDC errors (0) - Received Cell Count = Result Invalid
15967 ATM 34Mb/s - POAM F5 Seg BEDC errors (3) - Received Cell Count = Result Low
15968 ATM 34Mb/s - POAM F5 Seg BEDC errors (3) - Received Cell Count = Result High
15969 ATM 34Mb/s - POAM F5 Seg BEDC errors (3) - Received Cell Count = Result Invalid
15970 ATM 34Mb/s - POAM F5 End BEDC errors - Signal Loss
15971 ATM 34Mb/s - POAM F5 End BEDC errors - Loss of Cell Synchronisation
15972 ATM 34Mb/s - POAM F5 End BEDC errors - Pattern Loss
15973 ATM 34Mb/s - POAM F5 End BEDC errors (0) - Received Cell Count = Result Low
15974 ATM 34Mb/s - POAM F5 End BEDC errors (0) - Received Cell Count = Result High
15975 ATM 34Mb/s - POAM F5 End BEDC errors - Selected Cell Not Received detected
15976 ATM 34Mb/s - POAM F5 End BEDC errors (0) - Received Cell Count = Result Invalid
15977 ATM 34Mb/s - POAM F5 End BEDC errors (3) - Received Cell Count = Result Low
15978 ATM 34Mb/s - POAM F5 End BEDC errors (3) - Received Cell Count = Result High
15979 ATM 34Mb/s - POAM F5 End BEDC errors (3) - Received Cell Count = Result Invalid
15980 ATM 34Mb/s - POAM Cell loss errors - Signal Loss
15981 ATM 34Mb/s - POAM Cell loss errors - Loss of Cell Synchronisation
15982 ATM 34Mb/s - POAM Cell loss errors - Pattern Loss
15983 ATM 34Mb/s - POAM Cell loss errors - Result Low
15984 ATM 34Mb/s - POAM Cell loss errors - Result High
15985 ATM 34Mb/s - POAM Cell loss errors - Selected Cell Not Received detected
15986 ATM 34Mb/s - POAM Cell loss errors - Result Invalid
15987 ATM 34Mb/s - BEDC errors - Result Low
15988 ATM 34Mb/s - BEDC errors - Result High
15989 ATM 34Mb/s - BEDC errors - Result Invalid
15990 ATM 34Mb/s - POAM Cell misinsertion errors - Signal Loss
15991 ATM 34Mb/s - POAM Cell misinsertion errors - Loss of Cell Synchronisation
15992 ATM 34Mb/s - POAM Cell misinsertion errors - Pattern Loss
15993 ATM 34Mb/s - POAM Cell misinsertion errors - Result Low
15994 ATM 34Mb/s - POAM Cell misinsertion errors - Result High
15995 ATM 34Mb/s - POAM Cell misinsertion errors - Selected Cell Not Received

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
       detected
15996  ATM 34Mb/s - POAM Cell misinsertion errors - Result Invalid
15997  ATM 34Mb/s - BEDC errors - Result Low
15998  ATM 34Mb/s - BEDC errors - Result High
15999  ATM 34Mb/s - BEDC errors - Result Invalid
16200  Locked during jitter mask sweep and auto tolerance
18003  SPDH DS3 - FAS error add = 1.0E-3 Result low
18004  SPDH DS3 - FAS error add = 1.0E-3 Result high
18006  SPDH DS3 - FAS error add = 1.0E-3 Result Invalid
18013  SPDH DS3 - BIT error add = OFF Result low
18014  SPDH DS3 - BIT error add = OFF Result high
18016  SPDH DS3 - BIT error add = OFF Result Invalid
18023  SPDH DS3 - BIT error add = SINGLE Result low
18024  SPDH DS3 - BIT error add = SINGLE Result high
18026  SPDH DS3 - BIT error add = SINGLE Result Invalid
18033  SPDH DS3 - BIT error add = 1.0E-3 Result low
18034  SPDH DS3 - BIT error add = 1.0E-3 Result high
18036  SPDH DS3 - BIT error add = 1.0E-3 Result Invalid
18043  SPDH DS1 - FAS (D4) error add = OFF Result low
18044  SPDH DS1 - FAS (D4) error add = OFF Result high
18046  SPDH DS1 - FAS (D4) error add = OFF Result Invalid
18053  SPDH DS1 - FAS (D4) error add = SINGLE Result low
18054  SPDH DS1 - FAS (D4) error add = SINGLE Result high
18056  SPDH DS1 - FAS (D4) error add = SINGLE Result Invalid
18063  SPDH DS1 - FAS (D4) error add = 1.0E-3 Result low
18064  SPDH DS1 - FAS (D4) error add = 1.0E-3 Result high
18066  SPDH DS1 - FAS (D4) error add = 1.0E-3 Result Invalid
18073  SPDH DS1 - BIT error add = OFF Result low
18074  SPDH DS1 - BIT error add = OFF Result high
18076  SPDH DS1 - BIT error add = OFF Result Invalid
18083  SPDH DS1 - BIT error add = SINGLE Result low
18084  SPDH DS1 - BIT error add = SINGLE Result high
18086  SPDH DS1 - BIT error add = SINGLE Result Invalid
18093  SPDH DS1 - BIT error add = 1.0E-3 Result low
18094  SPDH DS1 - BIT error add = 1.0E-3 Result high
18096  SPDH DS1 - BIT error add = 1.0E-3 Result Invalid
18103  SPDH DS1 - FAS (SLC96) error add = OFF Result low
18104  SPDH DS1 - FAS (SLC96) error add = OFF Result high
18106  SPDH DS1 - FAS (SLC96) error add = OFF Result Invalid
18113  SPDH DS1 - FAS (SLC96) error add = SINGLE Result low
18114  SPDH DS1 - FAS (SLC96) error add = SINGLE Result high
18116  SPDH DS1 - FAS (SLC96) error add = SINGLE Result Invalid
18123  SPDH DS1 - FAS (SLC96) error add = 1.0E-3 Result low
18124  SPDH DS1 - FAS (SLC96) error add = 1.0E-3 Result high
18126  SPDH DS1 - FAS (SLC96) error add = 1.0E-3 Result Invalid
18137  SPDH DS3 Unframed - Loss Of Frame Detected
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
18146   SPDH DS3 M23 - Loss Of Frame Not Detected
18147   SPDH DS3 M23 - Loss Of Frame Detected
18156   SPDH DS3 C-BIT - Loss Of Frame Not Detected
18157   SPDH DS3 C-BIT - Loss Of Frame Detected
18167   SPDH DS1 Unframed - Loss Of Frame Detected
18176   SPDH DS1 D4 - Loss Of Frame Not Detected
18177   SPDH DS1 D4 - Loss Of Frame Detected
18186   SPDH DS1 ESF - Loss Of Frame Not Detected
18187   SPDH DS1 ESF - Loss Of Frame Detected
18196   SPDH DS1 SLC96 - Loss Of Frame Not Detected
18197   SPDH DS1 SLC96 - Loss Of Frame Detected
18206   SPDH DS1 DROP from DS3 - Loss Of Frame Not Detected
18207   SPDH DS1 DROP from DS3 - Loss Of Frame Detected
18211   SPDH DS3 struct 64 kb/s - Pattern Loss
18214   SPDH DS3 struct 64 kb/s - Pattern Errors Present
18221   SPDH DS3 struct Nx64 kb/s (odd channels) - Pattern Loss
18224   SPDH DS3 struct Nx64 kb/s (odd channels) - Pattern Errors Present
18231   SPDH DS3 struct DS1 - Pattern Loss
18234   SPDH DS3 struct DS1 - Pattern Errors Present
18241   SPDH DS3 struct 56 kb/s - Pattern Loss
18244   SPDH DS3 struct 56 kb/s - Pattern Errors Present
18251   SPDH DS3 struct Nx56 kb/s (odd channels) - Pattern Loss
18254   SPDH DS3 struct Nx56 kb/s (odd channels) - Pattern Errors Present
18261   SPDH DS3 struct Nx56 kb/s (even channels) - Pattern Loss
18264   SPDH DS3 struct Nx56 kb/s (even channels) - Pattern Errors Present
18271   SPDH DS1 struct 64 kb/s - Pattern Loss
18274   SPDH DS1 struct 64 kb/s - Pattern Errors Present
18281   SPDH DS1 struct Nx64 kb/s (odd channels) - Pattern Loss
18284   SPDH DS1 struct Nx64 kb/s (odd channels) - Pattern Errors Present
18291   SPDH DS1 struct 56 kb/s - Pattern Loss
18294   SPDH DS1 struct 56 kb/s - Pattern Errors Present
18301   SPDH DS1 struct Nx56 kb/s (even channels) - Pattern Loss
18304   SPDH DS1 struct Nx56 kb/s (even channels) - Pattern Errors Present
18311   SPDH DS3 Unframed - PRBS(9) INV Pattern Loss
18314   SPDH DS3 Unframed - PRBS(9) INV Pattern Errors Present
18321   SPDH DS3 Unframed - PRBS(20) NON-INV Pattern Loss
18324   SPDH DS3 Unframed - PRBS(20) NON-INV Pattern Errors Present
18331   SPDH DS3 Unframed - PRBS(15) INV Pattern Loss
18334   SPDH DS3 Unframed - PRBS(15) INV Pattern Errors Present
18341   SPDH DS3 Unframed - PRBS(23) NON-INV Pattern Loss
18344   SPDH DS3 Unframed - PRBS(23) NON-INV Pattern Errors Present
18351   SPDH DS3 Unframed - User Word Pattern Loss
18354   SPDH DS3 Unframed - User Word Pattern Errors Present
18361   SPDH DS1 Unframed - PRBS(9) NON-INV Pattern Loss
18364   SPDH DS1 Unframed - PRBS(9) NON-INV Pattern Errors Present
18371   SPDH DS1 Unframed - PRBS(11) INV Pattern Loss
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
18374   SPDH DS1 Unframed - PRBS(11) INV Pattern Errors Present
18381   SPDH DS1 Unframed - QRSS Pattern Loss
18384   SPDH DS1 Unframed - QRSS Pattern Errors Present
18391   SPDH DS1 Unframed - PRBS(23) INV Pattern Loss
18394   SPDH DS1 Unframed - PRBS(23) INV Pattern Errors Present
18401   SPDH DS1 Unframed - User Word Pattern Loss
18404   SPDH DS1 Unframed - User Word Pattern Errors Present
18411   SPDH DS3 struct DS1 insert/drop - Insert Port Not Settled
18414   SPDH DS3 struct DS1 insert/drop - Drop Port Not Settled
18421   SPDH DS3 struct 56 kb/s delay = 0s - Result Invalid
18422   SPDH DS3 struct 56 kb/s delay = 0s - Timeout
18423   SPDH DS3 struct 56 kb/s delay = 0s - Result low
18424   SPDH DS3 struct 56 kb/s delay = 0s - Result high
18431   SPDH DS3 struct 56 kb/s delay = 2s - Result Invalid
18432   SPDH DS3 struct 56 kb/s delay = 2s - Timeout
18433   SPDH DS3 struct 56 kb/s delay = 2s - Result low
18434   SPDH DS3 struct 56 kb/s delay = 2s - Result high
18441   SPDH DS1 struct 56 kb/s delay = 0s - Result Invalid
18442   SPDH DS1 struct 56 kb/s delay = 0s - Timeout
18443   SPDH DS1 struct 56 kb/s delay = 0s - Result low
18444   SPDH DS1 struct 56 kb/s delay = 0s - Result high
18451   SPDH DS1 struct 56 kb/s delay = 2s - Result Invalid
18452   SPDH DS1 struct 56 kb/s delay = 2s - Timeout
18453   SPDH DS1 struct 56 kb/s delay = 2s - Result low
18454   SPDH DS1 struct 56 kb/s delay = 2s - Result high
22001   "STM-1 TU-12 DS-1 F/G Patt: Unframed shows PSL
22002   "STM-1 TU-12 DS-1 B/G Patt: Expected D4 framing shows PSL
22011   "STM-1 TU-12 DS-1 F/G Patt: Expected ESF framing shows PSL
22012   "STM-1 TU-12 DS-1 B/G Patt: Expected D4 framing shows PSL
22021   "STM-1 AU-4 Pattern Sync Loss
22025   "STM-1 AU-4 Service Disruption : Short Burst <> 0 ms
22026   "STM-1 AU-4 Service Disruption : Long Burst <> 0 ms
22027   "STM-1 AU-4 Service Disruption : Last Burst <> 0 ms
22031   "STM-1 AU-4 Pattern Sync Loss
22035   "STM-1 AU-4 Service Disruption : Short Burst <> 0 ms
22036   "STM-1 AU-4 Service Disruption : Long Burst not OVERRANGE
22037   "STM-1 AU-4 Service Disruption : Last Burst not OVERRANGE
22041   "STM-1 AU-4 Pattern Sync Loss
22045   "STM-1 AU-4 Service Disruption : Short Burst <0ms or >2000ms
22046   "STM-1 AU-4 Service Disruption : Long Burst <> Short Burst
22047   "STM-1 AU-4 Service Disruption : Last Burst <> Short Burst
22051   "STM-0 Signal Loss
22061   "STM-0 Pattern Sync Loss
22064   "STM-0 Bit Errors
22071   "STM-0 Signal Loss
22081   "STM-0 AU-3 Pattern Sync loss (TX Pulse HI, RX HI)
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

```
22084   "STM-0 AU-3 Bit Errors (TX Pulse = HI, RX Pulse = HI)
22091   "STM-0 AU-3 Pattern Sync loss (TX Pulse LO, RX LO)
22094   "STM-0 AU-3 Bit Errors (TX Pulse = LO, RX Pulse = LO)
22101   "STM-0 AU-3 Pattern Sync loss (TX Pulse XCON, RX HI)
22104   "STM-0 AU-3 Bit Errors (TX Pulse = XCON, RX Pulse = HI)
22111   "STM-0 Signal Loss
22113   "STM-0 No offset - Frequency low
22114   "STM-0 No offset - Frequency high
22121   "STM-0 AU-3 Bulk TX, AU-3 Unfrm RX: Fail to get PSL
22122   "STM-0 AU-3 Bulk: Pattern Sync Loss
22131   "STM-0 TU-2 TX, AU-3 Unfrm RX : Fail to get PSL
22132   "STM-0 TU-2: Pattern Sync Loss
22141   "STM-0 DS-1 Unfrmd TX, AU-3 Unfrm RX: Fail to get PSL
22142   "STM-0 DS-1 Unfrmd: Pattern Sync Loss
22151   "STM-0 Frame or Pointer Sync Loss
22153   "STM-0 B1 BIP Errors low
22154   "STM-0 B1 BIP Errors high
22161   "STM-0 Frame or Pointer Sync Loss
22163   "STM-0 B2 BIP Errors low
22164   "STM-0 B2 BIP Errors high
22171   "STM-0 Frame or Pointer Sync Loss
22173   "STM-0 B3 BIP Errors low
22174   "STM-0 B3 BIP Errors high
22181   "STM-0 Frame or Pointer Sync Loss
22183   "STM-0 (M1) MS-REI Errors low
22184   "STM-0 (M1) MS-REI Errors high
22191   "STM-0 Frame or Pointer Sync Loss
22193   "STM-0 (Z5) AU-3 HP-IEC Errors low
22194   "STM-0 (Z5) AU-3 HP-IEC Errors high
22201   "STM-0 34M +100ppm Pattern Sync loss
22203   "STM-0 34M +100ppm Bit Errors low
22204   "STM-0 34M +100ppm Bit Errors high
22211   "STM-0 34M -100ppm Pattern Sync loss
22213   "STM-0 34M -100ppm Bit Errors low
22214   "STM-0 34M -100ppm Bit Errors high
22221   "STM-0 DS-3 +100ppm Pattern Sync loss
22223   "STM-0 DS-3 +100ppm Bit Errors low
22224   "STM-0 DS-3 +100ppm Bit Errors high
22231   "STM-0 C-3 Bulk -100ppm Pattern Sync loss
22233   "STM-0 C-3 Bulk -100ppm Bit Errors low
22234   "STM-0 C-3 Bulk -100ppm Bit Errors high
22251   STM-1 TU11 Async, Frame or Pointer Sync Loss
22264   STM-1 TU11 Async, B1 BIP Errors
22274   STM-1 TU11 Async, B2 BIP Errors
22284   STM-1 TU11 Async, B3 BIP Errors
22294   STM-1 TU11 Async, HP-REI Errors
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
22304   STM-1 TU11 Async, VC-11 V5 BIP Errors
22314   STM-1 TU11 Async, VC-11 V5 LP-REI Errors
22321   STM-1 Frame or Pointer Sync Loss
22323   STM-1 VC-11 V5 BIP Error Rate Low
22324   STM-1 VC-11 V5 BIP Error Rate High
22331   STM-1 Frame or Pointer Sync Loss
22333   STM-1 VC-11 V5 LP-REI Error Rate Low
22334   STM-1 VC-11 V5 LP-REI Error Rate High
22341   STM-1 TU11 Async, Pattern Sync Loss
22343   STM-1 TU11 Async, Bit Errors Low
22344   STM-1 TU11 Async, Bit Errors High
22351   STM-1 TU11 Background Pattern same as Test Pattern
22361   STM-1 TU11 Background Pattern Failure
22371   STM-1 TU11 Freq Off Ptr Mvts: Frame Sync Loss
22381   STM-1 TU11 Freq Off Ptr Mvts: Pointer Sync Loss
22394   STM-1 TU11 Freq Off Ptr Mvts: B1 BIP Errors
22404   STM-1 TU11 Freq Off Ptr Mvts: B2 BIP Errors
22414   STM-1 TU11 Freq Off Ptr Mvts: B3 BIP Errors
22424   STM-1 TU11 Freq Off Ptr Mvts: TU BIP Errors
22433   STM-1 TU11 Freq Off Ptr Mvts: +100ppm, Imp VC Offset Low
22434   STM-1 TU11 Freq Off Ptr Mvts: +100ppm, Imp VC Offset High
22443   STM-1 TU11 Freq Off Ptr Mvts: -100ppm, Imp VC Offset Low
22444   STM-1 TU11 Freq Off Ptr Mvts: -100ppm, Imp VC Offset High
22455   STM-1 Mixed TU3/TU11 TUG3#2 Background TU-11 shows TU-AIS
22456   STM-1 Mixed TU3/TU11 TUG3#2 Background TU-11 shows LP-RDI
22457   STM-1 Mixed TU3/TU11 TUG3#2 Background TU-11 shows TU-LOP
22461   STM-1 Mixed TU3/TU11 TUG3#1 Foreground TU-3 shows PSL
22471   STM-1 Mixed TU3/TU11 TUG3#3 Background TU-3 shows PSL
22485   STM-1 Mixed TU3/TU11 TUG3#1 Background TU-3 shows TU-AIS
22486   STM-1 Mixed TU3/TU11 TUG3#1 Background TU-3 shows LP-RDI
22487   STM-1 Mixed TU3/TU11 TUG3#1 Background TU-3 shows TU-LOP
22491   STM-1 Mixed TU3/TU11 TUG3#2 Foreground TU-11 shows PSL
22501   STM-1 Mixed TU3/TU11 TUG3#3 Background TU-11 shows PSL
22511   STM-1 TU-11 DS-1 F/G Patt: Unframed shows PSL
22512   STM-1 TU-11 DS-1 B/G Patt: Expected D4 framing shows PSL
22521   STM-1 TU-11 DS-1 F/G Patt: Expected ESF framing shows PSL
22522   STM-1 TU-11 DS-1 B/G Patt: Expected D4 framing shows PSL
22531   STM-1 AU-3 J1 message failure
22541   STM-1 TU-2 Pattern Sync loss
22543   STM-1 TU-2 Bit Errors low
22544   STM-1 TU-2 Bit Errors high
22551   STM-1 TU-12 Fl Byte Sync, Pattern Sync loss
22553   STM-1 TU-12 Fl Byte Sync, Bit Errors low
22554   STM-1 TU-12 Fl Byte Sync, Bit Errors high
22561   STM-1 TU-11 Pattern Sync loss
22563   STM-1 TU-11 Bit Errors low
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

```
22564   STM-1 TU-11 Bit Errors high
22571   STM-1 AU-3 34 Mb/s PRBS 23 Pattern Sync Loss
22573   STM-1 AU-3 34 Mb/s PRBS 23 Bit Errors Low
22574   STM-1 AU-3 34 Mb/s PRBS 23 Bit Errors High
22581   STM-1 AU-3 TU-2 Bulk PRBS 15 Pattern Sync Loss
22583   STM-1 AU-3 TU-2 Bulk PRBS 15 Bit Errors Low
22584   STM-1 AU-3 TU-2 Bulk PRBS 15 Bit Errors High
22591   STM-1 AU-3 TU-12 Fl Byte Word Pattern Sync Loss
22593   STM-1 AU-3 TU-12 Fl Byte Word Bit Errors Low
22594   STM-1 AU-3 TU-12 Fl Byte Word Bit Errors High
22601   STM-1 AU-3 TU-11 Async PRBS 9 Pattern Sync Loss
22603   STM-1 AU-3 TU-11 Async PRBS 9 Bit Errors Low
22604   STM-1 AU-3 TU-11 Async PRBS 9 Bit Errors High
```


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Self Test Error Codes

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

About This Edition

This is the 1st edition of the 37717 90412 manual. It documents the product as of 01/98. Edition dates are as follows:

1st Edition, 01/98

© Copyright Hewlett-Packard Company 1998. All rights reserved. Reproduction, adaption, or translation without prior written permission is prohibited, except as allowed under the copyright laws.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Printed in U.K. 01/98
37717-90412



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP