



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

MP1580A

Portable 2.5G/10G Analyzer



For 2.5G/10G Jitter/Wander Measurements

The MP1580A is a unique and powerful solution for analyzing jitter at the standard OC-48/192 or STM-16/64 bit rates. It can measure jitter of 2.5G/10G electrical interfaces (clock signal) with a simple operation. In addition, when used in combination with the MP1570A SONET/SDH/PDH/ATM Analyzer, evaluation of jitter characteristics in digital transmission lines, systems and devices, such as — jitter tolerance, jitter transfer, jitter generation, etc., can be performed easily.

Complies with the Latest ITU-T O.172 and Bellcore GR-1377 Standards

The MP1580A conforms to both the OC-192/STM-64 jitter measurement standards and supports required jitter modulation amplitude of 4000 Ulp-p and 80 MHz jitter bandwidth.

Supports 10 GHz Wander Measurement According to the Latest ITU-T G.813 Standard (Option)

The MP1580A can generate and measure various types of wander. It can generate wander in the frequency range of 10 μ Hz to 10 Hz at 400,000 Ulp-p max. In addition, MTIE/TDEV can be measured in real-time using an external PC and optional application software (MX150002A).

Single Cabinet Support for Both 2.5G and 10G Jitter/Wander Measurements

Just one MP1580A is required for 2.5G and 10G jitter generation and analysis. When combined with the MP1570A and MU150000A, jitter can be added to SONET/SDH signals and measured.

Differences from Existing Instrument (MP1777A)

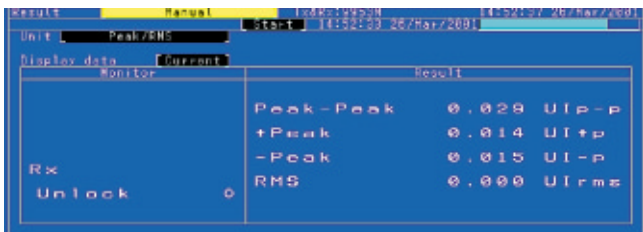
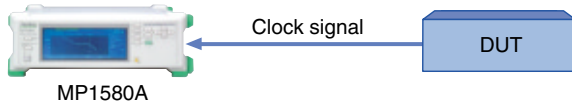
Anritsu launched the MP1777A 10 GHz Jitter Analyzer in February of 1998, as a jitter measurement solution for OC-192/STM-64 (9953M). The new MP1580A Portable 2.5G/10G Jitter Analyzer is providing more convenience in measurement without the need for ancillary equipment (network analyzer, external E/O-O/E converter). Anritsu has also developed a Wide Band O/E Converter (MU150017A/B) for the MP1570A to support jitter measurement of 80 MHz at 9953.28 Mbit/s as required by ITU-T standard in conjunction with the MP1580A. Although it uses two cabinets, the compact size makes the system ideal for R&D, manufacturing, installation and maintenance. In addition, the MP1570A can be controlled from the MP1580A for performing automatic measurements, such as Jitter Tolerance and Jitter Transfer.



Application

Output Jitter Measurement

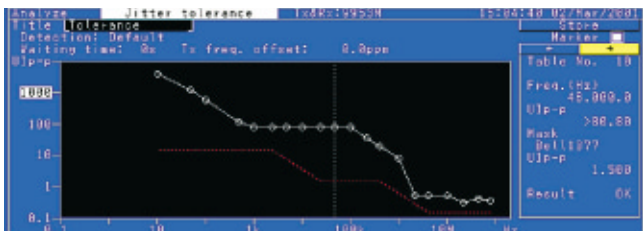
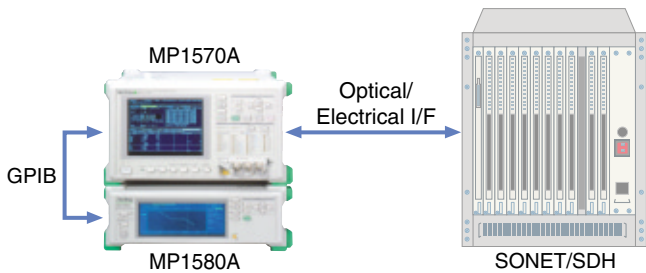
The MP1580A can easily measure the jitter clock signal (electrical interface only) by just inputting the output clock of DUT directly.



Optical signals can be measured easily by combining the MP1580A with the MP1570A, MU150000A, MU150001A and MU150017A/B.

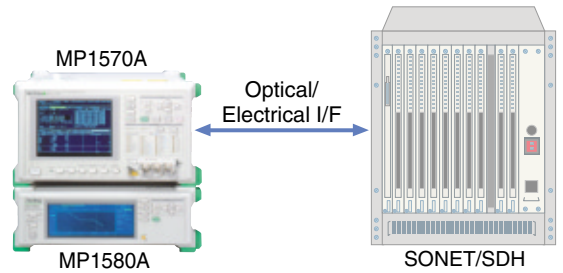
Jitter Tolerance Measurement

When the MP1580A is used with the MP1570A (send/receive jittered clock), jitter tolerance tests can be performed on OC-192/STM-64 and OC-48/STM-16 signals of electrical and optical interfaces.



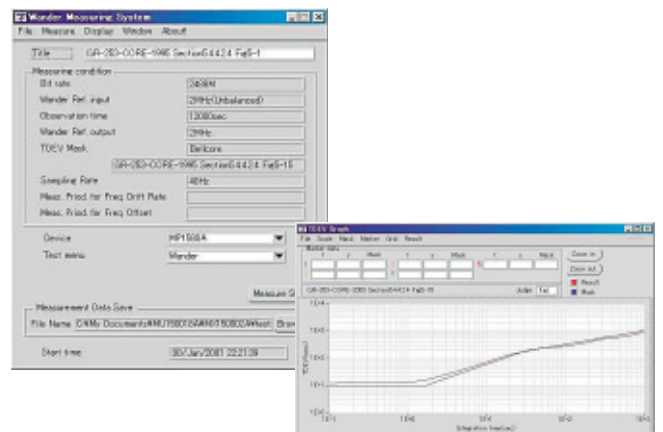
Jitter Transfer Measurement

When the MP1580A is used with the MP1570A (send/receive jittered clock), jitter transfer tests can be performed on OC-192/STM-64 and OC-48/STM-16 signals of electrical and optical interfaces.

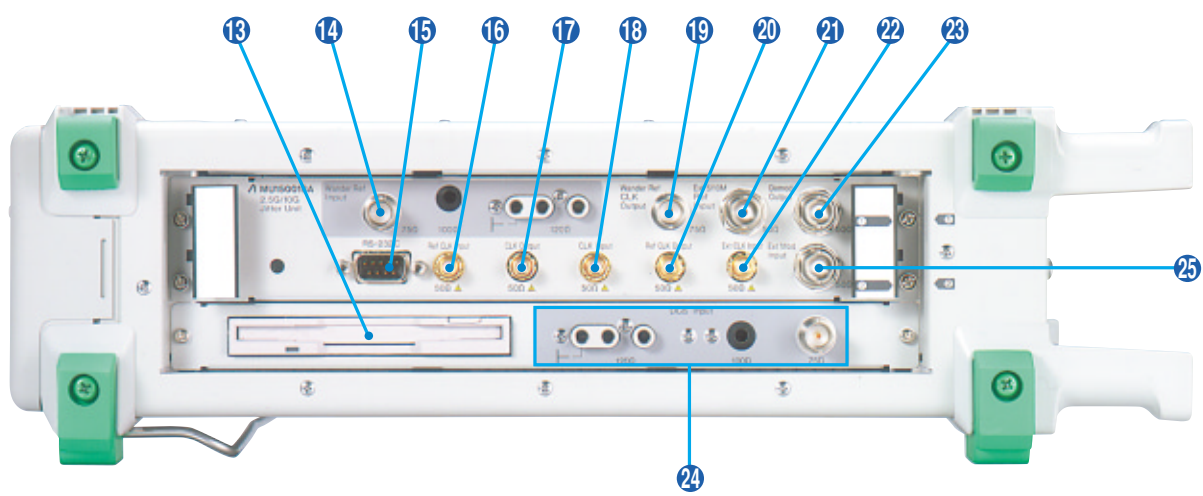
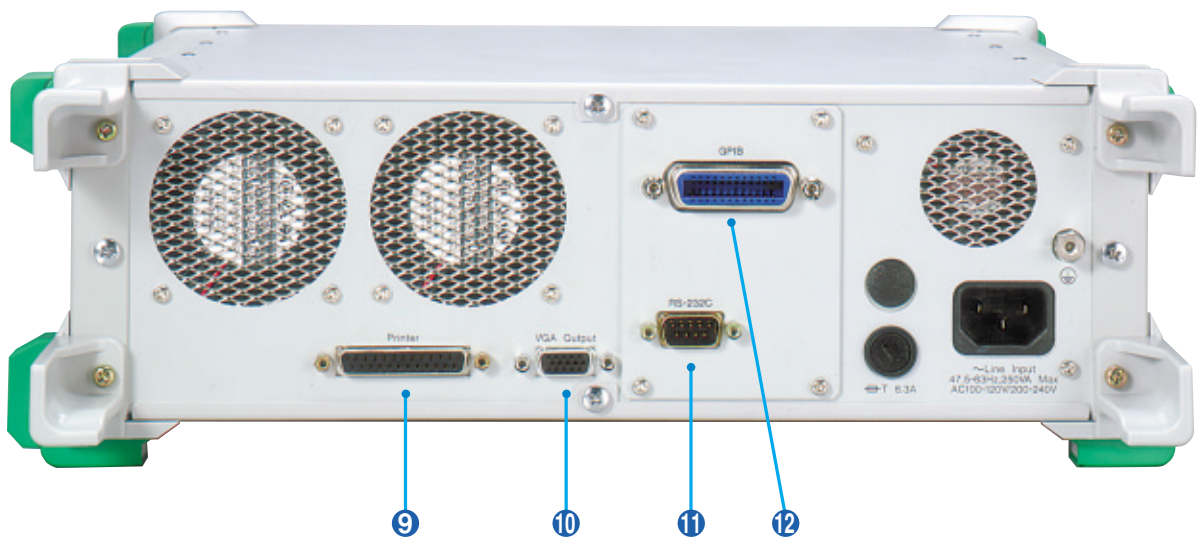
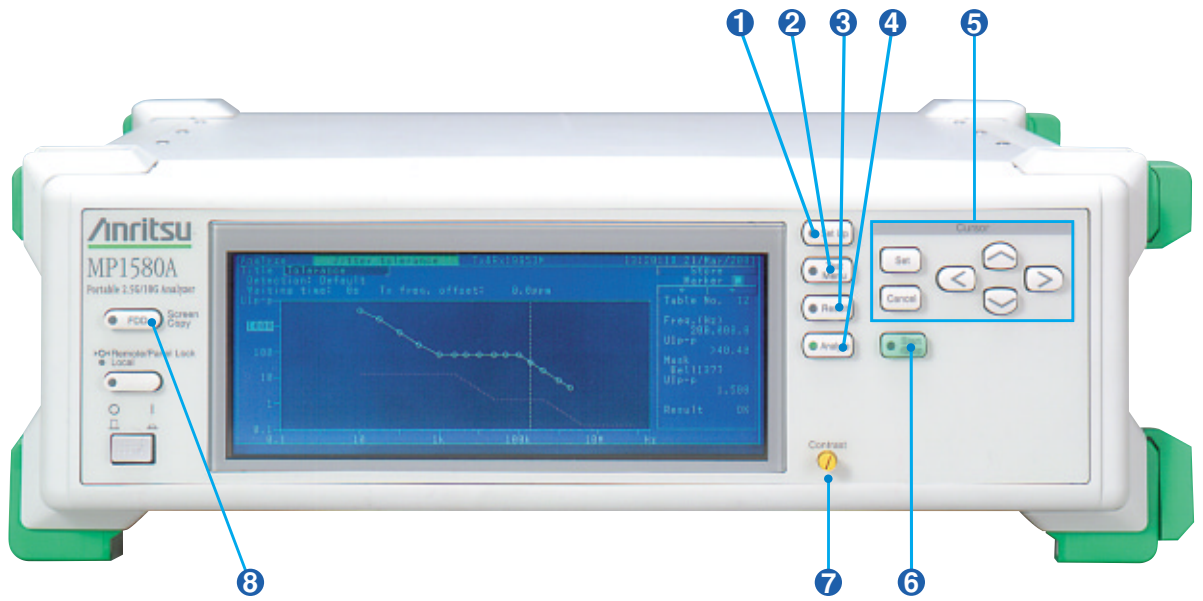


Wander Generation and Measurement

The MP1580A can generate and measure of wander conforming to ITU-T O.172 and also generation of TDEV conforming to ITU-T G.813. It also can measure TIE (Time Interval Error) by itself and measure MTIE and TDEV by connection of an external PC in which MX150002A is installed.



MP1580A Portable 2.5G/10G Analyzer



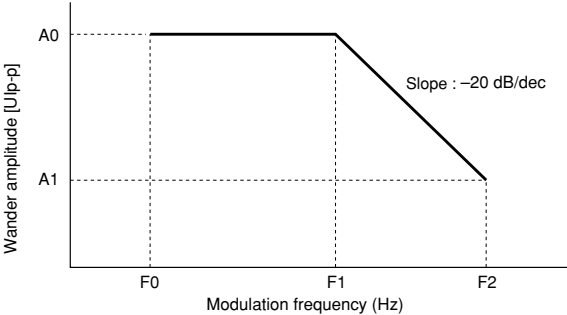
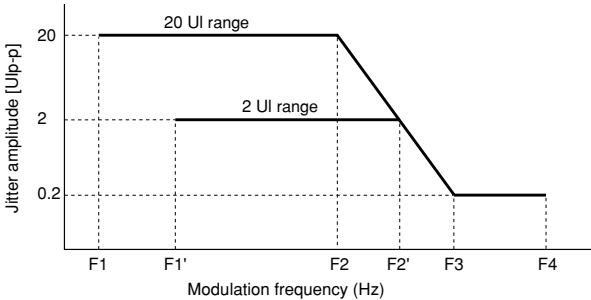
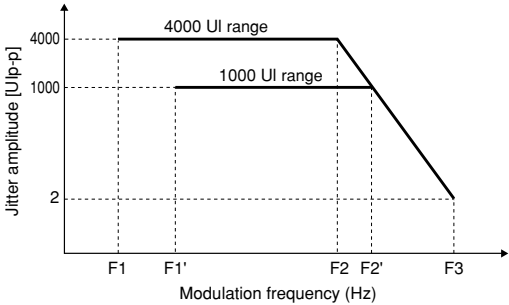
- ① **Setup:** Displays setup screen
- ② **Test Menu:** Displays main test menu screen
- ③ **Result:** Displays main measurement results screen
- ④ **Analyze:** Displays main analysis screen
- ⑤ **Cursor**
 - Set:** Set data and opens windows for numeric and character input
 - Cancel:** Cancels data setting and closes windows for numeric and character input
 - ▲ ▼ < >:** Move cursor or windows cursor on screen. At the numeric input windows, the ▲ and ▼ keys increase and decrease the numeric value, respectively
- ⑥ **Start/Stop:** Starts and stops measurement
- ⑦ **Contrast:** Controls LCD contrast
- ⑧ **FDD:** Outputs screen in bitmap format to floppy disk

- ⑨ **Printer:** Connector for external printer
- ⑩ **VGA Output:** Connector for external monitor (Option)
- ⑪ **RS-232C:** For external control (Option)
- ⑫ **GPIO:** For MP1570A and external control (Option)

- ⑬ Floppy disk drive
- ⑭ **Wander Ref. Input:** Reference signal input for wander measurement (Option)
- ⑮ **RS-232C:** Wander measurement data output (Option)
- ⑯ **Ref. CLK Input:** External reference signal input for jitter measurement (155.52 MHz)
- ⑰ **CLK Output:** Clock signal output (2488.32/9953.28 MHz)
- ⑱ **CLK Input:** Clock signal input (2488.32/9953.28 MHz)
- ⑲ **Wander Ref. CLK Output:** Reference signal output for wander measurement
- ⑳ **Ref. CLK Output:** Reference signal output
- ㉑ **Ext 5/10M Ref. Input:** Reference signal input (5/10 MHz)
- ㉒ **Ext CLK Input:** External reference signal input for jitter generation (155.52 MHz)
- ㉓ **Demod Output:** Jitter demodulation signal output
- ㉔ **DCS Input:** Input for synchronization transmission signal with external signal
- ㉕ **Ext Mod Input:** External modulation signal input

Specifications

Jitter generation	<p>Frequency Range: 9953.28, 2488.32 MHz Offset range: ± 100 ppm Resolution: 0.1 ppm Accuracy: ± 0.1 ppm (calibrate after 60 min warm-up, $23 \pm 5^\circ\text{C}$) Generation function: Clock signal output, data signal output (with MP1570A), jitter on, wander on/off Modulation source: Internal (sine wave), external (for jitter generation function only) Modulation frequency accuracy: $f_m \pm 100$ ppm (0.1 Hz to 80 MHz) Jitter generation: Conform to ITU-T O.172</p>																								
	<table border="1"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>f0 (Hz)</th> <th>f1 (Hz)</th> <th>f2 (Hz)</th> <th>f3 (kHz)</th> <th>f4 (MHz)</th> <th>f5 (MHz)</th> <th>A1 (UIp-p)</th> <th>A2' (UIp-p)</th> <th>A2 (UIp-p)</th> <th>A3' (UIp-p)</th> <th>A3 (UIp-p)</th> </tr> </thead> <tbody> <tr> <td>9953.28M</td> <td>0.1</td> <td>15</td> <td>600</td> <td>100</td> <td>2</td> <td>80</td> <td>0.5</td> <td>4</td> <td>80</td> <td>100</td> <td>4000</td> </tr> </tbody> </table>	Bit rate (bit/s)	f0 (Hz)	f1 (Hz)	f2 (Hz)	f3 (kHz)	f4 (MHz)	f5 (MHz)	A1 (UIp-p)	A2' (UIp-p)	A2 (UIp-p)	A3' (UIp-p)	A3 (UIp-p)	9953.28M	0.1	15	600	100	2	80	0.5	4	80	100	4000
	Bit rate (bit/s)	f0 (Hz)	f1 (Hz)	f2 (Hz)	f3 (kHz)	f4 (MHz)	f5 (MHz)	A1 (UIp-p)	A2' (UIp-p)	A2 (UIp-p)	A3' (UIp-p)	A3 (UIp-p)													
	9953.28M	0.1	15	600	100	2	80	0.5	4	80	100	4000													
	<p>0.5 UI range: 0.000 to 0.505 UIp-p (0.001 UIp-p steps) 80 UI range: 0.00 to 80.80 UIp-p (0.05 UIp-p steps) 4000 UI range: 0 to 4040 UIp-p (2 UIp-p steps)</p>																								
	<table border="1"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>f0 (Hz)</th> <th>f1 (Hz)</th> <th>f2 (Hz)</th> <th>f3 (kHz)</th> <th>f4 (MHz)</th> <th>f5 (MHz)</th> <th>A1 (UIp-p)</th> <th>A2' (UIp-p)</th> <th>A2 (UIp-p)</th> <th>A3' (UIp-p)</th> <th>A3 (UIp-p)</th> </tr> </thead> <tbody> <tr> <td>2488.32M</td> <td>0.1</td> <td>15</td> <td>600</td> <td>100</td> <td>2</td> <td>20</td> <td>0.5</td> <td>1</td> <td>20</td> <td>25</td> <td>1000</td> </tr> </tbody> </table>	Bit rate (bit/s)	f0 (Hz)	f1 (Hz)	f2 (Hz)	f3 (kHz)	f4 (MHz)	f5 (MHz)	A1 (UIp-p)	A2' (UIp-p)	A2 (UIp-p)	A3' (UIp-p)	A3 (UIp-p)	2488.32M	0.1	15	600	100	2	20	0.5	1	20	25	1000
	Bit rate (bit/s)	f0 (Hz)	f1 (Hz)	f2 (Hz)	f3 (kHz)	f4 (MHz)	f5 (MHz)	A1 (UIp-p)	A2' (UIp-p)	A2 (UIp-p)	A3' (UIp-p)	A3 (UIp-p)													
	2488.32M	0.1	15	600	100	2	20	0.5	1	20	25	1000													
<p>0.5 UI range: 0.000 to 0.505 UIp-p (0.001 UIp-p steps) 20 UI range: 0.00 to 20.20 UIp-p (0.01 UIp-p steps) 1000 UI range: 0 to 1010 UIp-p (1 UIp-p steps)</p>																									

<p>Wander generation</p>	<p>Wander generation: 10 μHz to 10 Hz, 0 to 400,000 Ulp-p (1 Ulp-p steps), conform to ITU-T O.172</p>  <table border="1" data-bbox="341 680 994 801"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>F0 (μHz)</th> <th>F1 (mHz)</th> <th>F2 (Hz)</th> <th>A0 (Ulp-p)</th> <th>A1 (Ulp-p)</th> <th>Steps (Ulp-p)</th> </tr> </thead> <tbody> <tr> <td>2488.32M</td> <td>10</td> <td>400</td> <td>10</td> <td>400,000</td> <td>16,000</td> <td>1</td> </tr> <tr> <td>9953.28M</td> <td>10</td> <td>400</td> <td>10</td> <td>400,000</td> <td>16,000</td> <td>1</td> </tr> </tbody> </table>	Bit rate (bit/s)	F0 (μ Hz)	F1 (mHz)	F2 (Hz)	A0 (Ulp-p)	A1 (Ulp-p)	Steps (Ulp-p)	2488.32M	10	400	10	400,000	16,000	1	9953.28M	10	400	10	400,000	16,000	1																																						
Bit rate (bit/s)	F0 (μ Hz)	F1 (mHz)	F2 (Hz)	A0 (Ulp-p)	A1 (Ulp-p)	Steps (Ulp-p)																																																						
2488.32M	10	400	10	400,000	16,000	1																																																						
9953.28M	10	400	10	400,000	16,000	1																																																						
<p>Jitter measurement</p>	<p>Measurement functions: Ulp-p, UI + peak, UI – peak, Ulrms, hit count, hit second, %F second, peak jitter Measurement mode: Repeat, single, manual Display: Current, last Measurement interval: 1 to 99 s, 1 to 99 min, 1 to 99 h, 1 to 99 day Jitter measurement: Conform to ITU-T O.172</p>  <table border="1" data-bbox="341 1274 1083 1458"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>Range (UI)</th> <th>F1 (Hz)</th> <th>F1' (Hz)</th> <th>F2 (kHz)</th> <th>F2' (kHz)</th> <th>F3 (MHz)</th> <th>F4 (MHz)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">2488.32M</td> <td>2</td> <td>—</td> <td>100</td> <td>—</td> <td>100</td> <td>1</td> <td>20</td> </tr> <tr> <td>20</td> <td>10</td> <td>—</td> <td>10</td> <td>—</td> <td>1</td> <td>20</td> </tr> <tr> <td rowspan="2">9953.28M</td> <td>2</td> <td>—</td> <td>100</td> <td>—</td> <td>400</td> <td>4</td> <td>80</td> </tr> <tr> <td>20</td> <td>10</td> <td>—</td> <td>40</td> <td>—</td> <td>4</td> <td>80</td> </tr> </tbody> </table>  <table border="1" data-bbox="341 1805 994 1928"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>Range (UI)</th> <th>F1 (Hz)</th> <th>F1' (Hz)</th> <th>F2 (Hz)</th> <th>F2' (Hz)</th> <th>F3 (kHz)</th> </tr> </thead> <tbody> <tr> <td>2488.32M</td> <td>1000</td> <td>—</td> <td>1</td> <td>—</td> <td>12.1</td> <td>5</td> </tr> <tr> <td>9953.28M</td> <td>4000</td> <td>1</td> <td>—</td> <td>12.1</td> <td>—</td> <td>20</td> </tr> </tbody> </table>	Bit rate (bit/s)	Range (UI)	F1 (Hz)	F1' (Hz)	F2 (kHz)	F2' (kHz)	F3 (MHz)	F4 (MHz)	2488.32M	2	—	100	—	100	1	20	20	10	—	10	—	1	20	9953.28M	2	—	100	—	400	4	80	20	10	—	40	—	4	80	Bit rate (bit/s)	Range (UI)	F1 (Hz)	F1' (Hz)	F2 (Hz)	F2' (Hz)	F3 (kHz)	2488.32M	1000	—	1	—	12.1	5	9953.28M	4000	1	—	12.1	—	20
Bit rate (bit/s)	Range (UI)	F1 (Hz)	F1' (Hz)	F2 (kHz)	F2' (kHz)	F3 (MHz)	F4 (MHz)																																																					
2488.32M	2	—	100	—	100	1	20																																																					
	20	10	—	10	—	1	20																																																					
9953.28M	2	—	100	—	400	4	80																																																					
	20	10	—	40	—	4	80																																																					
Bit rate (bit/s)	Range (UI)	F1 (Hz)	F1' (Hz)	F2 (Hz)	F2' (Hz)	F3 (kHz)																																																						
2488.32M	1000	—	1	—	12.1	5																																																						
9953.28M	4000	1	—	12.1	—	20																																																						

Jitter measurement	<p>Ulp-p measurement 2 UI range: 0.000 to 2.020 Ulp-p (0.001 Ulp-p steps) 20 UI range: 0.00 to 20.20 Ulp-p (0.01 Ulp-p steps) 1000 UI range: 0 to 1010 Ulp-p (1 Ulp-p steps, 2488.32 Mbit/s only) 4000 UI range: 0 to 4040 Ulp-p (2 Ulp-p steps, 9953.28 Mbit/s only)</p> <p>UI rms measurement 2 UI range: 0.000 to 0.714 Ulrms (0.001 Ulrms steps) 20 UI range: 0.00 to 7.17 Ulrms (0.01 Ulrms steps)</p> <p>Filters: Confirming to ITU-T O.172 and Bellcore GR1377 LP, HP0 + LP, HP1 + LP, HP1' + LP, HP2 + LP, HP + LP, HP' + LP, LP' (1000/4000 UI range only), HP0 + LP' (1000/4000 UI range only)</p> <table border="1"> <thead> <tr> <th>Bit rate (bit/s)</th> <th>HP0 (Hz)</th> <th>HP1 (kHz)</th> <th>HP1' (kHz)</th> <th>HP2 (MHz)</th> <th>HP' (kHz)</th> <th>HP (kHz)</th> <th>LP (MHz)</th> <th>LP' (kHz)</th> </tr> </thead> <tbody> <tr> <td>2488.32M</td> <td>10</td> <td>5</td> <td>—</td> <td>1</td> <td>—</td> <td>12</td> <td>20</td> <td>5</td> </tr> <tr> <td>9953.28M</td> <td>10</td> <td>10</td> <td>20</td> <td>4</td> <td>50</td> <td>12</td> <td>80</td> <td>20</td> </tr> </tbody> </table>	Bit rate (bit/s)	HP0 (Hz)	HP1 (kHz)	HP1' (kHz)	HP2 (MHz)	HP' (kHz)	HP (kHz)	LP (MHz)	LP' (kHz)	2488.32M	10	5	—	1	—	12	20	5	9953.28M	10	10	20	4	50	12	80	20
Bit rate (bit/s)	HP0 (Hz)	HP1 (kHz)	HP1' (kHz)	HP2 (MHz)	HP' (kHz)	HP (kHz)	LP (MHz)	LP' (kHz)																				
2488.32M	10	5	—	1	—	12	20	5																				
9953.28M	10	10	20	4	50	12	80	20																				
Reference wander generation (Option 03)	<p>Off: Able to set non-modulated status*</p> <p>TDEV mask: The 37 types of TDEV masks that are regulated by ITU-T, ETSI, ANSI, and Bellcore standards are available as default. It is possible to add the wander modulation on the user specified TDEV mask.</p> <p>Transient: It is possible to change the A (1 - e^{-63.7t}) phase by the timing of the start.</p> <p>Signal off: It is possible to disconnect the standard signal.</p> <p>Wander tolerance (TDEV) measurement: Evaluation by the various TDEV mask generations</p>																											
Wander measurement (Option 02)	<p>Conform to ITU-T O.172</p> <p>Reference input: 2.048M (HDB3, clock), 1.544M (AMI/B8ZS, clock), 64k + 8 kHz, 5 MHz, 10 MHz</p> <p>Sampling frequency: 40 Hz, 1 Hz, 0.1 Hz (select by MX150002A)</p> <p>Measurement range P-P: 0.0 to 2E10 ns, +P/-P: 0.0 to 1E10 ns, TIE: 0.0 to ±1E10 ns</p> <p>Measurement time: 10 to 1 x 10⁸ s (max. 120,000 s; MP1570A only)</p> <p>Wander application (requires MX150002A Wander Application Software)</p> <p>TIE: Max. 1 x 10⁸ s, MTIE: Max. 1 x 10⁸ s, TDEV: Max. 1 x 10⁶ s</p> <p>Frequency offset: Measurement conforms to ANSI T1.105.09</p> <p>Frequency drift rate: Measurement conforms to ANSI T1.105.09</p> <p>MRTIE: The evaluation separated from the wander by a frequency offset</p> <p>Wander tolerance (TDEV) measurement: Evaluation by the various TDEV mask generations</p>																											
Other measurement	Jitter tolerance (with MP1570A), jitter sweep, frequency sweep, wander sweep, peak jitter, jitter transfer, frequency measurement																											
Dimensions and mass	320 (W) x 100 (H) x 350 (D) mm, ≤10 kg (with MU150018A)																											
Temperature range	0° to +40°C (operating), -20° to +60°C (storage)																											

*: Only non-modulated status can be set without this option.

Ordering Information

Please specify the model/order number and quantity when ordering.

Model/Order No.	Name	Remarks
	Main frame	
MP1580A	Portable 2.5G/10G Analyzer	
	Standard accessories	
	AC power cord:	1 pc
F0093A	Fuse, 6.3 A:	1 pc
B0489	Front cover:	1 pc
W1889AE	MP1580A operation manual (Vol 1 Jitter/wander):	1 copy
W1890AE	MP1580A operation manual (Vol 2 Remote control):	1 copy
MX150002A	Wander Measurement Application Software (MTIE/TDEV):	1 pc
W1892AE	MX150002A operation manual (wander application):	1 copy
	Plug-in unit	
MP150018A	2.5G/10G Jitter Unit	
	Options	
MP1580A-01	RS-232C	
MP1580A-02	GPIO	
MP1580A-04	VGA	
MU150018A-02	Wander measurement	
MU150018A-03	Wander reference output phase modulation	
	Peripherals	
MP1570A	SONET/SDH/PDH/ATM Analyzer	
MP1570A-02	GPIO	Requires to combine with MP1580A
MP1570A-10*	SDH	
MP1570A-11*	SONET	
MU150000A	2.5G/10G Unit	Electrical for MP1570A
MU150001A	Optical 10G Tx (1.55) Unit	2 km, for MP1570A
MU150001B	Optical 10G Tx (1.55) Unit	40 km, for MP1570A
MU150001A/B-01	2.5G (1.31)	Option for MP1570A
MU150001A/B-02	2.5G (1.55)	Option for MP1570A
MU150001A/B-03	2.5G (1.31/1.55)	Option for MP1570A
MU150017A	Optical 10G Rx (Wide) Unit	For MP1570A
MU150017B	Optical 2.5G/10G Rx (Wide) Unit	For MP1570A
MP9677B	E/O, O/E Converter	
MU967701A	Clock Recovery Unit (9953.28 MHz)	For MP9677B
MP35A	Matching Transformer (BNC-J/Siemence, C42334-A282)	75/120 Ω
	Optical accessories	
J0661A	RS232C cable, 2 m	Cross cable with D-sub 9 pin connector at both ends
J0006	GPIO cable, 0.5 m	
J0007	GPIO cable, 1 m	
J0008	GPIO cable, 2 m	
J1074	Semirigid cable Tx	For connection to MP1570A
J1075	Semirigid cable Rx	For connection to MP1570A
J0696A	Coaxial cord (AA-165-500), 0.5 m	
J0696C	Coaxial cord (AA-165-1000), 1 m	
J0900E	Coaxial cord (AA-165-1500), 1.5 m	
J0162A	Balanced cord (Siemence 3P-Siemence 3P), 1 m	
J0162C	Balanced cord (Siemence 3P-Siemence 3P), 2 m	
J0845A	Balanced cord, (Bantam 3P-Bantam 3P), 6 ft	
J0775D	Coaxial cord (BNC-P620-3C-2WS-BNC-P620, 75 Ω), 2 m	
J0776D	Coaxial cord (BNC-P-3W-3D-2W-BNC-P-3W, 50 Ω), 2 m	
B0490	Joint plate	To mount MP1580A and MP1570A in a stack
B0491	Soft case	
B0492	Hard carrying case	

*: Must specify SDH (Option 10) or SONET (Option 11) when ordering depends on your systems. The option price is included in the MP1570A. These two options can be installed simultaneously. But in this case, one option is charged.



Specifications are subject to change without notice.

**ANRITSU CORPORATION
MEASUREMENT SOLUTIONS**

5-10-27, Minamiazabu, Minato-ku, Tokyo 106-8570, Japan
Phone: +81-3-3446-1111
Telex: J34372
Fax: +81-3-3442-0235

● **U.S.A.**
ANRITSU COMPANY

North American Region Headquarters
1155 East Collins Blvd., Richardson, Tx 75081, U.S.A.
Toll Free: 1-800-ANRITSU (267-4878)
Phone: +1-972-644-1777
Fax: +1-972-671-1877

● **Canada**
ANRITSU ELECTRONICS LTD.

Unit 102, 215 Stafford Road West
Nepean, Ontario K2H 9C1, Canada
Phone: +1-613-828-4090
Fax: +1-613-828-5400

● **Brasil**
ANRITSU ELETRÔNICA LTDA.

Praia de Botafogo 440, Sala 2401 CEP 22250-040,
Rio de Janeiro, RJ, Brasil
Phone: +55-21-5276922
Fax: +55-21-537-1456

● **U.K.**
ANRITSU LTD.

200 Capability Green, Luton, Bedfordshire LU1 3LU, U.K.
Phone: +44-1582-433200
Fax: +44-1582-731303

● **Germany**
ANRITSU GmbH

Grafenberger Allee 54-56, 40237 Düsseldorf, Germany
Phone: +49-211-96855-0
Fax: +49-211-96855-55

● **France**
ANRITSU S.A.

9, Avenue du Québec Z.A. de Courtabœuf 91951 Les
Ullis Cedex, France
Phone: +33-1-60-92-15-50
Fax: +33-1-64-46-10-65

● **Italy**
ANRITSU S.p.A.

Via Elio Vittorini, 129, 00144 Roma EUR, Italy
Phone: +39-06-509-9711
Fax: +39-06-502-24-25

● **Sweden**
ANRITSU AB

Botvid Center, Fittja Backe 1-3 145 84 Stockholm,
Sweden
Phone: +46-853470700
Fax: +46-853470730

● **Spain**
ANRITSU ELECTRÓNICA, S.A.

Europa Empresarial Edificio Londres, Planta 1, Oficina
6 C/ Playa de Liencres, 2 28230 Las Rozas. Madrid,
Spain
Phone: +34-91-6404460
Fax: +34-91-6404461

● **Singapore**
ANRITSU PTE LTD.

6, New Industrial Rd., #06-01/02, Hoe Huat Industrial
Building, Singapore 536199
Phone: +65-282-2400
Fax: +65-282-2533

● **Hong Kong**
ANRITSU COMPANY LTD.

Suite 719, 7/F., Chinachem Golden Plaza, 77 Mody
Road, Tsimshatsui East, Kowloon, Hong Kong, China
Phone: +852-2301-4980
Fax: +852-2301-3545

● **Korea**
ANRITSU CORPORATION

14F Hyun Juk Bldg. 832-41, Yeoksam-dong,
Kangnam-ku, Seoul, Korea
Phone: +82-2-553-6603
Fax: +82-2-553-6604-5

● **Australia**
ANRITSU PTY LTD.

Unit 3/170 Forster Road Mt. Waverley, Victoria, 3149,
Australia
Phone: +61-3-9558-8177
Fax: +61-3-9558-8255

● **Taiwan**
ANRITSU COMPANY INC.

6F, 96, Sec. 3, Chien Kou North Rd. Taipei, Taiwan
Phone: +886-2-2515-6050
Fax: +886-2-2509-5519



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com