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Analyst488 Quick Reference Card

Command Line Functions

ABORT- ABORT
Send IFC (SC) or MTA (*SC-CA).
Stops bus activity.

ADDRESS- ADDRESS[[?]|[addr]
Set the IEEE bus addr of the Analyzer488.

CLEAR- CLEAR[addr[,addr...]]
Issue Device Clear (DCL) or Selected Device Clear (SDC).

ENTER- ENTER[addr][{#count}|term|EOI|;count|; term|;EOI]
Read data from the IEEE 488 bus.

HELLO- HELLO
Read the Analyzer488 revision identification.

LOCAL- LOCAL[addr[,addr...]]
Unassert the Remote Enable (REN) line.

LOCAL LOCKOUT- LOCAL LOCKOUT
Issue Local Lockout (LLO) command.

OUTPUT- OUTPUT[addr[,addr...]][#count] ;data
Send data to IEEE 488 bus device.

PPOLL- PPOLL
Read the Parallel Poll response from all bus devices.

PPOLL CONFIG- PPOLL CONFIG addr;response
Set Parallel Poll response of a device.

PPOLL DISABLE- PPOLL DISABLE addr[,addr...]
Disable a bus device from responding to parallel polls.

PPOLL UNCONFIG- PPOLL UNCONFIG
Prevent all bus devices from responding to a Parallel Poll.

REMOTE- REMOTE[addr[,addr...]]
Assert Remote Enable line or address devices to listen.

RESUME- RESUME
Un-assert Attention (ATN) line.

SEND- SEND[;]sub-command[sub-command...]
Send low level sequences in High Level Controller Mode.

SPOLL- SPOLL[addr[,addr...]]
Perform a Serial Poll.

STATUS- STATUS[;][0|1|2|3|4|5]
Return Analyzer488 operational status.

TERM- TERM[;][[?]|[term|term][EOI]|[EOI]|[NONE]]]
Set the output terminators for IEEE bus transfers.

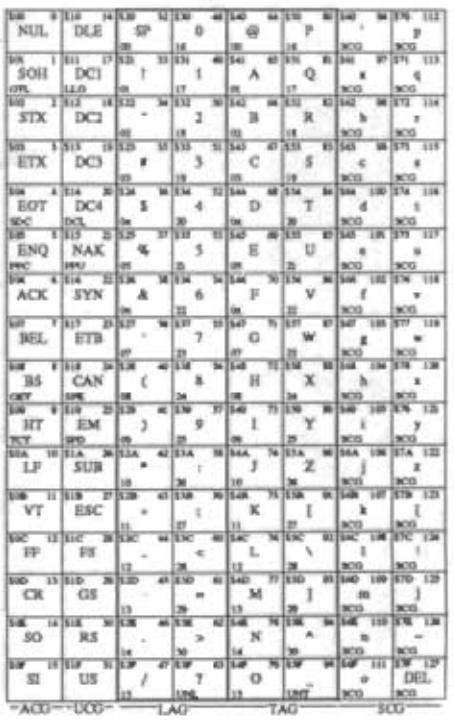
TIMEOUT- TIMEOUT[;][n]
Set timeout from 1 to 65535 seconds.

TRIGGER- TRIGGER[addr[,addr...]]
Issue the bus Group Execute Trigger (GET) command.

Menus

File	(Alt F)
Open Analyzer	(F2) Open an Analyzer488 window
open File	(F3) Open a file window
Virtual Front Panel	(F4) Open VFP window
coMmand Line Controller	(F5) Open a CLC
Write Block...	(^W) Write a block of data
Print Block...	Opens a print menu
Printer	(^P) Make data hardcopy
Disk	(^D) Make file-print of data
Transfer Block	Transfer data between windows
DOS Shell	Temporarily exit to DOS
Setup...	Open a setup menu
Serial Port	Serial port parameters
Program Options	PC configuration
Restore Default Setup	Resets serial port and program
Quit	(^Q) Quit and exit to DOS
Display	(Alt D)
Format...	Open a format menu
Message	Set format to one-line IEEE codes
Hexadecimal	Data in hex format
miXed	Data in composit format
hEx Mode Highlight...	Highlight bus commands
Absolute	(^A) Display absolute addresses
Relative	(^R) Display relative addresses
Set relative	(F7) Mark cursor for relative addresses
Horizontal	(^H) Orient screens side-by-side
Vertical	(^V) Orient screens up and down
Record	(Alt R)
Record Enable	(F8) Start/stop recording bus events
record Status...	Get record statistics
Trigger setup...	Configure triggering parameters
triGger enable	Start or stop triggering
Erase	(^E) Erase record memory
Zero	(^Z) Reset record memory pointer
Search	(Alt S)
First	Goto 1st bus event
Last	Goto last bus event
Next Trigger	Find next trig point
Previous Trigger	Find prev trig point
mark/Unmark Block	(F6) Mark block of data
Mark all	(^B) Mark all data
Block find...	Find data in block
block find Next	(F9) Find next in block
block Compare	Compare 2 blocks
goto Address	(^G) Goto absolute addr
goto Offset	(^O) Goto relative addr
goto Reference	Goto rel addr 0
Handshake	(Alt H)
Listen	(^L) Enter listen state
Talk	(^T) Enter talk state
Fast	Hndshk at hi speed
Slow...	Hndshk at 1 to 10 bps
steP	(F10) Handshake once
None	Disable handshake participation

Character Codes and IEEE Multiline Messages



ACG = Addressed Command Group
UCG = Universal Command Group
LAG = Listen Address Group
TAG = Talk Address Group
SCG = Secondary Command Group

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Analyzer488

Quick Reference Card

Front Panel Keys

-HANDSHAKE-

[FAST]	Participate in handshake at speeds up to 1 Mbyte/sec.
[SLOW]	Participate in handshake at speeds from 1 to 10 bytes/sec.
[STEP]	Enable Step handshake and initiate (Talk state) or complete (Listen state) one handshake sequence.
[RATE]	Adjust Slow handshake speed from 1 to 10 bytes / sec.
[NONE]	Disable participation in handshake.

-SOURCE-

[LISTEN]	Place Analyzer488 into the Listen state.
[TALK]	Place Analyzer488 into the TALK state.
[PRINT]	Print data contained in the record memory.

-CONTROL-

[EOI]	Toggle the state of the End Or Identify (EOI) bus management line. The LED indicates the driven state of this line.
[ATN]	Toggle the state of the Attention (ATN) bus management line. The LED indicates the driven state of this line.
[SRQ]	Toggle the state of the Service Request (SRQ) management line. The LED indicates the driven state of this line.
[REN]	Toggle the state of the Remote Enable (REN) management line. The LED indicates the driven state of this line.
[IFC]	Pulse the Interface Clear (IFC) management line. The LED indicates the driven state of this line.

-MEMORY-

[VIEW]	Toggle display between bus display mode and memory view mode.
[ERASE]	Erase record memory and reset location pointer to zero.
[REC]	Enable recording.
[ZERO]	Reset location pointer to zero.
[REL]	Toggle addressing mode between relative addressing and absolute addressing.
[SET REL]	Set the location pointer.

-SEARCH-

[FIRST]	Display the first bus event recorded.
[+TRIGGER]	Search for the next trigger point.
[LAST]	Display the last bus event recorded.
[-TRIGGER]	Search for the previous trigger point.
[NEXT]	Find the next location that matches pattern defined with [FIND] key.
[FIND]	Find the first occurrence of a selected bus event.

-TRIGGER-

[STAT]	Provide status information about the last triggered bus recording.
[DISPLAY]	Set the brightness of the front panel display.
[SETUP]	Set up parameters of the trigger command.
[MEASURE]	Display bus event performance data.
[ARM]	Enable triggering.
[HEX/BIN]	Toggle display format between hexadecimal and binary data.

-CURSOR-

[↑]	Increment the displayed memory location or the data value placed on the bus.
[↓]	Decrement the displayed memory location or the data value placed on the bus.
[→]	Select parameter fields by moving the cursor to the right.
[←]	Select parameter fields by moving the cursor to the left. Also provides a backspace key for numeric entries.

-DATA ENTRY-

[0]-[F]	Specify record memory locations, output data on the data lines, or play back a series of key presses saved with the [SAVE] key.
[HELP]	General key information or context sensitive help.
[+/-]	Change the polarity of a numeric entry, indicate a search direction, or set a "don't care" condition.
[SAVE]	Save or recall keypress macros.
[ENTER]	Enter selections, location addresses, or force a source (Talk state) or acceptor (Listen state) handshake.
[EXIT]	Leave a menu immediately and accept changes.
[ESC]	Escape a menu immediately without accepting changes.

Display Messages

ACG	Adressed Command Group
ACK	Acknowledge
ATN	Attention line
BEL	Bell
BS	Backspace
CAN	Cancel
CR	Carriage Return
DC1	Device Control 1
DC2	Device Control 2
DC3	Device Control 3
DC4	Device Control 4
DCL	Device Clear
DLE	Data Link Escape
EM	End of Medium
ENQ	Enquiry
EOT	End of Transmission
ESC	Escape
ETB	End Transmission Block
ETX	End of Text
FF	Form Feed
FS	File Separator
GET	Group Execute Trigger
GS	Group Separator
GTL	Go To Local
HT	Horizontal Tab
LAG	Listen Address Group
LF	Line Feed
LLO	Local Lock Out
MLA	My Listen Address
MTA	My Talk Address
NAK	Negative Acknowledge
NUL	Null
PPC	Parallel Poll Configure
PPU	Parallel Poll Unconfigure
REN	Remote Enable
RS	Record Separator
SCG	Secondary Command Group
SDC	Selected Device Clear
SI	Shift In
SO	Shift Out
SOH	Start Of Heading
SPD	Serial Poll Disable
SPE	Serial Poll Enable
SRQ	Service Request
STX	Start of Text
SUB	Substitute
SYN	Synchronous Idle
TAD	Talker Address
TAG	Talk Address Group
TCT	Take Control
UCG	Universal Command Group
UNL	Unlisten
UNT	Untalk
US	Unit Separator
VT	Vertical Tab

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