

PC Scope Module Model MTX 1054B-PC (Discontinued)

Cat. #2150.12

4-Channel, 150MHz

Four-channel oscilloscope with 150MHz bandwidth. Vertical sensitivity from 250uV to 100V/div with 10 bit resolution. USB or Ethernet communication enables programing the instrument remotely with the supplied software. Rated 300V CAT III.

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CHANNELS	
Input Channels	4 Channels: CH1, CH2, CH3, CH4, Class 1, Common Ground
Input Impedance	1MΩ ±1%, 13pF
INTERFACE	
Screen Specifications	Color PC Screen (min. resolution: 1152 x 864)
Display Mode	8 x 10 div. – Multi-windowing
Traces On Screen	4 Traces + 2 References
Screen Control	Windows-like & Online Help – All Commands Available Via Mouse
VERTICAL	
Vertical Sensitivity	2.5mv to 100V/division, up to 250μV/div with vertical expansion
Bandwidth	150 MHz (with limiters of 15MHz, 1.5MHz or 5kHz)
HORIZONTAL	
Time Base Speed	36 Ranges from 1ns to 200s/division
TRIGGER	
Mode	Auto, Triggered, One-shot ROLL, Auto-level at 50%
Source	CH1, CH2, Line
Type	Edge, Pulse Width or Delay (40ns – 10.5s), counting (2 – 16,384 events),TV, adjustable pre-triggering from 0 to 100%, Hold-off (40ns – 10.5s)
DIGITAL MEMORY	
Max. Sampling Speed	Repetitive = 100GS/s; One-shot = 200MS/s
Vertical Resolution	10 bits (9 bits used)
Memory Capacity	Depth = 50,000 points (PC configuration dependent)

For more details, download the datasheet or user manual at www.aemc.com

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SPO (SMART PERSISTENCE OSCILLOSCOPE)	
Duration of Persistence	100ms, 200ms, 500ms, 1s, 2s, 5s, 10s and infinite
MEASUREMENT PROCESSING	
FFT Analyzer/MATH Functions	FFT, +, -, x, / "Made to measure" function editor
Manual Cursors	dv, dt, 1/dt, phase – cursors linked or unlinked to trace
Automatic Measurements	2 or 19 measurements out of 19 + automatic phase on/any type of curve markers and limits
HARMONIC ANALYZER	
Analysis Range	Fundamental from 40Hz to 1kHz + 31 orders on 1 to 2 channels
Processing	Total RMS value, THD and selected order (%F, phase, frequency, VRMS)
RECORDER MODE	
Duration / Sampling	Dedicated ROLL mode from 2s to 31 days / Sampling interval: 40µs to 53.57s
COMMUNICATION	
Software	PC software SCOPEin@BOX_LE and LabWindows/LabVIEW drivers (included)
Interface	USB, local or remote 10Mb Ethernet, WEB server
GENERAL FEATURES	
Power Source	Removable power cable; 100 to 240VAC; 47 to 63Hz; 2.5A timed fuse
Size	10.6 x 8.4 x 2.5" (270 x 213 x 63mm)
Weight	4.0 lbs (1.8kg)
Operating Temperature	32° to 104°F (0° to 40°C) ; 0 to 80% RH up to 88°F (31°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
IP Rating	IP 30
Safety	300V CAT II per IEC/EN 61010-1

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