Features

- 2 & 4-channel models/150MHz
- Oscilloscope with FFT, harmonic analyzer and recorder
- Sampling rate 200MS/s in one-shot mode and 100GS/s in ETS mode
- Detects 10ns transients
- 10-bit A/D converter
- Vertical sensitivities of 250µV-100V/div (300V CAT II)
- Advanced trigger modes and SPO (Smart Persistence Oscilloscope) analysis
- Stackable with direct PC connection via USB or Ethernet
- PC advantages:
  - Large screen with high resolution and multi-windowing
  - Unlimited storage capacity
  - Windows environment (printing, standard files, etc.)
  - Local or remote Ethernet universal communication
  - PC operating software and LabWindows/LabView drivers

The MTX 1052-PC, MTX 1054-PC and MTX 162 can be connected directly to a PC via a USB or Ethernet interface with PC software. WiFi versions allow wireless Ethernet communication.

PC Oscilloscope Models MTX 1052 & MTX 1054

NEW!

SAFETY 300V CAT II RATING

CE

SPECIFICATIONS

MODELS	MTX 1052 / MTX 1054*
INTERFACE	
Screen Specifications	Color PC screen (min. resolution: 1024 x 768)
Display Mode	8 x 10 div.- Multi-windowing (control panel, trace, zoom, FFT, etc.)
Traces on Screen	4 traces + 4 references
Screen Control	"Windows-like" & online help – all commands available via mouse
VERTICAL	
Vertical Sensitivity	2.5mV – 100V/div, up to 250µV/div with vertical expansion
Bandwidth	150MHz (bandwidth limiter: 15MHz, 1.5MHz or 5kHz)
Channels	2 or 4 channels, class 1, common ground
HORIZONTAL	
Time Base Speed	35 ranges from 1ns to 200s/div
TRIGGER	
Mode	Auto, Triggered, One-shot ROLL, auto-level at 50%
Source	CH1, CH2, EXT, Mains or CH1 to CH4, Mains*
Type	Edge, Pulse Width or Delay (40ns - 10.5s), counting (2 - 16,384 events), TV (525 = NTSC, 625 = PAL/SECAM), Pre-trigger adjustable 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 – storage capacity depends on PC configuration used
SPO (SMART PERSISTENCE OSCILLOSCOPE)	
Duration of Persistence	100ms, 200ms, 500ms, 1s, 2s, 5s, 10s and infinite
Performance	Acquisition rate 50 kwaveforms/s/channel, no. of samples acquired: 19MS/s/channel
MEASUREMENT PROCESSING	
FFT Analyzer/ MATH Functions	FFT (calculation over 2,048 points), + , - , 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
RECORDER MODE	
Duration/Sampling	Duration: 2s to 31 days / Sampling interval: 40µs to 53.57s
HARMONIC ANALYZER	
Analysis Range	Fundamental from 40Hz to 1kHz + 31 orders on 1 to 4 channels
Processing	Total RMS value, THD and selected order (%F, phase, frequency, Vrms)

CATALOG NO.	DESCRIPTION
2150.10	PC Scope Module Model MTX 1052B-PC (2-channel, 150MHz)
2150.11	PC Scope Module Model MTX 1052BW-PC (2-channel, WiFi, 150MHz)
2150.12	PC Scope Module Model MTX 1054B-PC (4-channel, 150MHz)
2150.13	PC Scope Module Model MTX 1054BW-PC (4-channel, WiFi, 150MHz)