AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

Summary Sheet

# PC Scope Module Model MTX 1052BW-PC (Discontinued)



**Cat. #2150.11**
**2-Channel, Wi-Fi, 150MHz**
Four-channel oscilloscope with 150MHz bandwidth. Vertical sensitivity from 250uV to 100V/div with 10 bit resolution. USB, Ethernet, or Wi-Fi communication enables programing the instrument remotely with the supplied software. Rated 300V CAT III.

**Cat.#2150.11**

| | |
|---|---|
| **CHANNELS** | |
| **Input Channels** | 2 Channels: CH1, CH2, EXT BNC Inputs, 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** | 2 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** | 200 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 to 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, Wi-Fi (802.11b/g), 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; IEC/EN 61010-1 |



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