

Upon Receipt of Product

Prior to operation, check for loosened hardware or damage incurred during transit. If these conditions are found, a safety hazard is likely, DO NOT attempt to operate equipment. Please contact Megger as soon as possible.



MTDRT Time Domain Reflectometer

MTDR Analyzer

Specifications

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|----------------------|---|
| Operating modes: | ARC Reflection, SURGE, voltage Decay and TDR |
| Ranges: | U.S.: 200, 500, 1000, 2000, 5000, 10,000, 20,000, 50,000, 100,000 ft Metric: 60, 150, 300, 600, 1500, 3000, 6000, 15,000, 30,000 m Time: 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100 μ s |
| TDR pulse widths: | 40, 80, 160, 320, 640 ns, 1, 2, 5, 10 μ s |
| Cursors: | Selectable format: feet, meters, μ s Dual, independent cursors with both positions displayed Differential cursor position displayed |
| Resolution: | 5 ft (1.50 m), depending on range and mode |
| Horizontal zoom: | Selectable via front panel controls |
| Velocity selectable: | 0 to 99% 0 to 983.6 ft/ μ s 0 to 299.8 m/ μ s 0 to 491.8 ft/ μ s ($V_p/2$) |
| Inputs: | Input 1: channel one acquisition (TDR and ARC) Input 2: channel two acquisition (SURGE) |
| TDR pulse amplitude: | 10 V nominal, into 50 Ω |

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|-----------------------|---|
| Gain: | 1, 2, 3, 4, 5, 10, 20, 50, 100 |
| Input impedance: | 50 Ω , all inputs |
| Max. signal input: | 250 V peak for transients |
| Display: | Transflective, daylight viewable color LCD |
| Operating system: | Windows® XP Embedded |
| External interfaces: | Dual USB ports Serial port |
| Printer support: | Hewlett Packard or others printers supporting standard HP- PCL (Printer Control Language) |
| Memory: | Stores up to 200 waveforms internally |
| Power: | Power is 100 to 240V AC 50/60 Hz self configuring for standalone unit, or for integrated unit, the Power is supplied by PFL40 |
| Temperature range: | -4 to 122°F (-20 to 50°C) operating -22 to 158°F (-30 to 70°C) storage |
| Humidity: | <95 percent non-condensing |
| Dimensions: | Integrated into the top panel of PFL40 |
| Weight: | Included in PFL40 system |
| Accessories supplied: | software to download and upload traces to and from a PC and to emulate MTDR operation on a PC for trace analysis and viewing |