

Megger Time Domain Reflectometers

Dual Cursor Hand-Held TDR

- Single trace display with dual cursors
- Auto set-up for instant use
- 2 ns pulse width virtually eliminates dead zones
- Trace HOLD with live trace overlay
- Designed for use on all metallic cable pairs
- Last setting memory
- IP54 rating
- Three-year warranty

CFL510G ▶



Hand-Held TDR

- Simple handheld operation
- AUTO selection of gain & pulse width
- Ultra fast pulse for near end fault identification
- Trace HOLD feature
- IP54 rating
- Designed for use on all metallic cable pairs
- Three-year warranty

TDR500/3 ▶



SELECTION GUIDE

Model	TDR900 *	TDR500/3	CFL510G
Measurement Ranges (ft):	6200-12000 4 ranges	30-15000 7 ranges	
Display:	Numeric	Graphic LCD	
Dual Cursors:	----	----	✓
Fault Location Modes:	1	1	3
Accuracy:	±2 %	±1 %	
Resolution:	20 in. (50 cm)	1% of range	
Gain:	----	3 steps	
Velocity Factor	1.0 to 99.9%	0.2 to 0.99	
Output Impedance (Ω):	25, 50, 75, 100, 125, 150	25, 50, 75, 100	
Output Pulse:	7 ns - 3 μs	25 ns - 3 μs	2 ns for near fault
Pulse Amplitude:	5 V pk-pk	5 V pk-pk	5 V pk-pk
Low Battery Warning	✓	✓	✓
Backlight	✓	✓	✓
TX Null	----	✓	✓
Channels	1	1	1
Rating:	IP42	IP54	IP54

* see page 173 for specifications and ordering information

ORDERING INFORMATION

ME/CFL510G	Dual Cursor Hand-Held TDR w/ battery, case & test leads
ME/TCDR500/3	Hand-Held TDR with battery, case & test leads
ME/1002-015	Fused test lead set

SPECIFICATIONS

Range:	10/25/100/250/1000/2500/5000 m (30/75/300/750/3000/7500/15000 ft)
Accuracy:	±1% of range ± pixel at 0.67 VF *
Resolution:	1% of range
Input protection:	Complies with IEC61010-1 for connection to live systems up to 150 V CAT IV when used with the optional fused test lead set.
Output pulse:	5 volts pk-pk into open circuit. Pulse widths determined by range and cable.
Gain:	Set for each range with three user selectable steps (in manual operating mode)
Velocity factor:	Variable from 0.2 to 0.99 in steps of 0.01
TX null:	Automatic
Power down:	Automatic after 5 minutes with no key press
Backlight:	Stays on for 1 minute with no key press
Battery:	Five LR6 (AA), Manganese alkali or nickel metal-hydrate cells
Battery life:	Up to 14 hours (typical)
IP rating:	IP54 for use indoors or outdoors
Dimensions:	230 x 115 x 48 mm (9 x 0 x 4.5 x 2.0 inches)
Connectors:	Two 4 mm-safety terminals
Test lead:	1.5 meter long consisting of 2 x 4 mm shrouded connector to miniature crocodile clips
Display:	256 x 128 pixel Graphics LCD
Temperature range:	-15 °C to +50 °C (5 °F to 122 °F) operating

* Measurement accuracy is for the indicated cursor position only and is conditional on the velocity factor being correct.

Megger Irradiance Meter & Photovoltaic Kit

NEW



- Optimal incident angle & positioning of solar panels
- Measure solar power for panel short calculation
- 3¾ digit LCD display with 1999 W/m² range
- Mini pocket size with built-in detector
- One hand use, with Display Hold
- Standard camera mount

◀ **PVM210**

PVK330 ▶



The Megger PVK330 Photovoltaic Kit features the PVM210 with the DCM340 AC/DC Clampmeter. The kit includes a set of 4 ft. red and black test leads (4mm instrument plugs to MC4 solar connectors) and MC4 to MC3 adapters. Leads are rated 19A 1000V. A zipped pouch is provided to store the instruments and leads.

SPECIFICATIONS

Display:	3¾ digits LCD with maximum reading 3999
Range:	1999 W/m ² / 634 BTU / (ft ² *h)
Accuracy:	Typically within ± 10 W/m ² (±3 BTU / (ft ² *h)) or ±5%, whichever is greater in sunlight;
Temperature coefficient:	±0.38 W/m ² /°C (±0.12 BTU/(ft ² *h)/°C) from 25 °C
Angular accuracy:	Cosine corrected <5% for angles <60 °C
Accuracy:	<±3% per year
Resolution:	0.1 W/m ² / 0.1 BTU / (ft ² *h).
Sampling time:	Approx. 0.25 second
Over input:	Display shows "OL"
Operating temperature:	5 °C~40 °C, below 80% RH
Dimensions:	134 mm (H) x 48 mm (W) x 27 mm (D)
Battery life:	50 hr approx from 2 x 1.5 V AAA / MN2400
Auto off:	15 min.

Includes test leads, test probes, alligator clips, protective holster & batteries.

ORDERING INFORMATION

ME/PVM210	Irradiance Meter
ME/PVK330	Photovoltaic Kit

TEST
EQUIPMENT