



Pro400™ TDR/Toner Cable Fault Locator



Pro400™ Features

- Lowest Cost Full Specification Professional Graphical TDR
- Rugged hand held design weighs less than 12oz (350g)
- 11 Measurement Ranges up to 20,000 feet, 3,000 feet for two-wire cables.
- 25, 50, 75, 100 Ohm Selectable Cable Impedance
- Built in Tone Generator for Wire Tracing and Identification
- Backlit display screen
- Water and Dust Proof to IP54
- Complete with carrying case and test leads

PRODUCT DESCRIPTION

The Pro400™ is a professional Time Domain Reflectometer and Toner designed to detect and locate faults on copper cables up to a distance of 20,000 feet (6 km). Advanced signal processing techniques enable the Pro400™ to find opens, short circuits, splices, taps, water ingress and other more elusive faults. A built in tone generator also provides a tone for wire tracing and identification.

Selectable cable impedance matching, along with variable velocity factor, enable the Pro400™ to be used to test all communication and control cables, with graphical results and fault distances displayed on a dot matrix LCD. The TDR/Fault Finder is housed in a tough, ruggedized ABS plastic case, water and dust proof to IP54, and supplied complete with test leads and a protective tool-belt holster.

The Pro400™ is designed and manufactured to international standards for quality, safety and reliability.

SPECIFICATIONS

Ranges @ Vp=70%	20, 45, 90, 180, 360, 750, 1500, 3000 ft (6,000, 10000, 20000 ft. for cables above 25 ohms)
Range Selection	Manual range control
Resolution	Approximately 1% of range
Sensitivity	Min. 3 pixel return at 10,000 feet
Velocity Factor	Adjustable from 1% to 99%
Output Pulse	5v p-p into open circuit
Output Impedance	Selectable 25, 50, 75 & 100 ohms
Output Pulse Width	3ns to 3ms
Scan Rate	2 scans per second
Tone Generator	Oscillating 810Hz – 1100Hz
Power Supply	6v 4 x AA cells
Auto Power Down	Selectable 1,2,3 min. or disabled
Operating Temperature	0 to 40 deg. C
Storage Temperature	-20 to 70 deg. C
Dimensions	6.5 x 3.5 x 1.5 in (165 x 90 x 37 mm)
Weight	12oz (350g)
Safety	IEC61010-1 / EN 60950
EMC	BS/EN 61326-1
CE compliance with current	EU directives
Water / Dust Proof	IP54



Graphical display of cable faults with digital indication of distance

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