CABLE TESTERS
FAULT MAPPER

IP 54 | CE | ▣

MODEL CA7027

Maps and pinpoints the locations of faults on power and communication cables

Fault Mapper Pro® Telephone
Cable Tester/Graphical TDR

FEATURES

- Built-in tone generator for tracing and locating cables
- Large high-visibility blue electroluminescent backlit display
- Compatible with industry standard Tone Receivers
- Works on de-energized conductors
- 11 range scales indicating cable faults and terminations up to 19,000 ft (6000 m) in feet or meters
- Unique graphical and digital display of fault information and length
- Detects opens, shorts, taps, faulty taps, bridge taps, splitters, high resistance, wet cables, splices and more
- Identifies impedance mismatches
- Works with twisted pair, parallel and coaxial cable
- Selectable cable impedance (25, 50, 75, 100) Ω
- Over-voltage protection up to 250 V
- Adjustable cursor assists in locating faults and termination

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MEASUREMENTS	
Range @ Vp = 70 %	(23, 49, 98, 197, 394, 820, 1640, 3280, 6560, 9850, 19,000) ft
Range Selection	Manual range control
Resolution	Approximately 1 % of selected range
Accuracy	± 1 % of range
Minimum Cable Length	1.5 ft (0.5 m)
Cable Library	–
Sensitivity	Minimum 3 pixel return on a fault at 4 km on 0.6 mm 0, PE, TP
Velocity of Propagation (Vp)	Adjustable from (1 to 99) %
Output Pulse	+ 5 V peak to peak into an open circuit
Output Pulse Width	3 ns to 3 ms, Automatic with range
Scan Rate	2 scans / s or scan held
Output Impedance	Selectable between (25, 50, 75 & 100) Ω
Display Resolution	128 x 64 pixel graphical LCD
Tone Generator	Oscillating (810 to 1110) Hz
Voltage Warning	–
Power Supply	(4) 1.5 V AA alkaline batteries
Auto Power OFF	Selectable (1, 2, 3, 5) min or disabled
Weight	12 oz (340 g)

Consult factory for NIST Calibration prices.

PRODUCT INCLUDES

Soft carrying case, set of (2) color-coded *(red/black)* leads, test probes, alligator clips, (4) 1.5 V AA batteries and user manual

CAT. #	DESCRIPTION
2127.84	Fault Mapper Pro® Model CA7027 (Telephone/Cable Tester/Graphical TDR)