

CABLE TESTERS

Fault Mapper Pro[®] Telephone Cable Tester / Graphical TDR

Model CA7027

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



Learn the importance of a structured cabling tester

SPECIFICATIONS

MODEL	CA7027
MEASUREMENTS	
Range @ Vp = 70%	23, 49, 98, 197, 394, 820, 1640, 3280, 6560, 9850, 19000 ft
Range Selection	Manual range control
Accuracy	±1% of range
Resolution	Approximately 1% of selected range
Minimum Cable Length	1.5 ft (0.5m)
Sensitivity	Minimum 3 pixel return on a fault at 4km on 0.6mm O, PE, TP
Velocity of Propagation (Vp)	Adjustable from 1% to 99%
Output Pulse	+5V peak to peak into an open circuit
Output Impedance	Selectable between 25, 50, 75 & 100Ω
Output Pulse Width	3 ns to 3 ms, Automatic with range
Scan Rate	2 scans / second or scan held
Tone Generator	Oscillating tone 810Hz to 1110Hz
Voltage Protection	250Vac
Power Supply	Four 1.5V AA alkaline batteries
Battery Life	60 hours continuous scanning
Auto Power Off	Selectable 1, 2, 3, 5 minutes or disabled
Weight (with battery)	12oz (350g)

FEATURES

- 11 range scales indicating cable faults and terminations up to 19,000 ft (6000m) in feet or meters
- 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
- Dead band less than 9 ft
- Selectable cable impedance (25Ω, 50Ω, 75Ω, 100Ω)
- Over-voltage protection up to 250V
- Adjustable cursor assists in locating faults and termination
- Built-in tone generator for tracing and locating cables
- Large high-visibility blue electroluminescent backlit display

PRODUCT INCLUDES

4mm color-coded banana plugs with alligator clips, four 1.5V AA batteries, soft carrying case and user manual.



Tone Receiver/Cable Tracer Model TR03 is available as an accessory (see page 39)

CATALOG NO.	DESCRIPTION
2127.84	Fault Mapper Pro [®] Model CA7027 (Telephone Cable Tester / Graphical TDR)
Accessories (Optional)	
2127.76	Tone Receiver/Cable Tracer Model TR03