Special product features ▼

- GRAPHIC DISPLAY OF FAULTS
- MEASURES CABLE TO 19,000 ft
- DETECTS IMPEDANCE MISMATCHES

Model CA7027

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

Graphical TDR

Up=78% Z=50Ω
237ft

TEST / ▼   TDR / (•—•)
◄   ►
✳   ⏻

FAULT MAPPER PRO®
MODEL CA7027

AEMC® INSTRUMENTS

CE ▣

◄ *Learn the importance of a structured cable 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	5 ft (1.5m)
Sensitivity	Minimum 3 pixel return on a fault at 4km on 0.6mm 0, 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 810 to 1110Hz
Voltage Protection	250V$_{AC}$
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

- 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

- 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

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

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