

# CABLE TESTERS

## FAULT MAPPER

### MODEL CA7027

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

### SPECIFICATIONS

MODEL	CA7027
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 O, 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 / second 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)



**CA7027**  
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 (58 00 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
- Dead band less than 9 ft
- Selectable cable impedance (25, 50, 75, 100) Ω
- Over-voltage protection up to 250 V
- Adjustable cursor assists in locating faults and termination

### PRODUCT INCLUDES

#### MODEL CA7027

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



CATALOG NO.	DESCRIPTION
2127.84	Fault Mapper Pro® Model CA7027 (Telephone / Cable Tester / Graphical TDR)

