

## Fault Mapper Cable Length Meter & Fault Locator Alphanumeric TDR

### Model CA7024

**Finds opens, shorts and cable length**



### ► SPECIFICATIONS

MODEL	CA7024
<b>MEASUREMENTS</b>	
Range @ Vp = 70%	6000 ft or 2000m (selectable)
Resolution	0.1 ft up to 100 ft, then 1 ft (0.1m up to 100m, then 1m)
Accuracy	±2% of Reading
Minimum Cable Length	12 ft (4m)
Cable Library	Built-in, user selectable and user programmable
Velocity of Propagation (Vp)	Adjustable from 0 to 99%
Output Pulse	5V (peak to peak) into open circuit; nanosecond rise Step Function
Output Impedance	Automatic compensation
Display Resolution	128 x 64 pixel graphical LCD
Tone Generator	Oscillating 810 to 1110Hz
Voltage Warning	Triggers at >10VAC/DC
Power Source	Four 1.5V AA Alkaline batteries (included)
Auto Power OFF	After three minutes
Weight	12 oz (350g)



### ► FEATURES

- Hand-held Cable Length Meter and Fault Locator for multiple conductor cables
- Detects opens and shorts and the distance to them from one end of the cable
- Measure cable length up to 6000 ft or 2000m (selectable)
- Automatic cable impedance compensation
- Built-in library of most common cables and their Velocity of Propagation (Vp)
- Manual selection of Vp for all cables not found in library
- User programmable cable library with 15 storage positions
- Vp setting displayed along with length and cable type (if in library)
- Built-in tone generator for tracing and locating cables
- Large high-visibility blue electroluminescent backlit display

### **Tone Receiver/Cable Tracer Model TR03 (optional):**

- Compatible with Models CA7024, CA7027 and CA7028
- One button operation
- Volume control
- Audio output



### ◀ Tone Receiver Cable Tracer

Model TR03  
available as an accessory



### ► PRODUCT INCLUDES

Soft carrying case, BNC pigtail cable with alligator clips, four 1.5V AA batteries and user manual.

CATALOG NO.	DESCRIPTION
2127.80	Fault Mapper Model CA7024 (Cable Fault / Length Tester – Alphanumeric TDR)
<b>Accessories (Optional)</b>	
2127.76	Tone Receiver/Cable Tracer Model TR03

# 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 cable tester



### ► SPECIFICATIONS

MODEL	CA7027
<b>MEASUREMENTS</b>	
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 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 810 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)

### ► PRODUCT INCLUDES

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



### ► 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

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



### Model CA7028

The only wire-mapper in its class with graphical and digital display of fault type and fault location



### SPECIFICATIONS

MODEL	CA7028
<b>MEASUREMENTS</b>	
Range	500 ft or 150m (selectable)
Accuracy	±5% of Reading
Cable Type	UTP, STP, FTP and SSTP
Faults Indicated	Short Circuit Pair, Open Circuit Wire, Short Between Pairs, Split/Cross Pairs, Pair Reversals, Shield Continuity
Fault Location	Near end, remote end, or distance to fault
Fault Display	All fault and setting info displayed textually and graphically
Wiring Schemes	TIA 568A/B, USOC and ISDN
Service Indication	Telephone, 10BaseT, 100Mbit+, Token Ring
Voltage Warning	Audible and visual warning of TNV (Telecom Network Voltage)
Test Inhibit	Inhibits testing in the presence of live voltages
Tone Generator	Oscillating 810 to 1110Hz
Power Source	Four 1.5V AA Alkaline batteries (included)
Display Backlight	Blue electroluminescent
Remote Display	Green/Red Pass/Fail LED
Auto Power OFF	After three minutes
Weight	Main unit: 12 oz (350g); Remote unit: 1.5 oz (40g)

### FEATURES

- Hand-held LAN Cable Mapping and Troubleshooting Tester
- Indicates all common wiring faults including split pairs, shorts, opens, reversed pairs and crossed wires
- Unique graphical and digital display of fault information and length
- Active remote unit indicates Pass/Fail at remote end by green/red LED during the test
- Indicates distances to opens and shorts and identifies location
- Display fault location up to 500 ft or 150m (selectable)
- Built-in tone generator for tracing and locating cables
- Built-in service check function to detect telephone, 10BaseT, 100Mbit+ and Token Ring
- Visual and audible warning of live telephone network voltages
- Works with all category cables
- Rugged design weighs less than 12 oz (350g)
- Large high-visibility blue electroluminescent backlit display
- Complete with remote unit and mini patch leads
- Works with TIA 568A/B, USOC and ISDN wiring schemes



### PRODUCT INCLUDES

Soft carrying case, remote ID (#1), two patch cords, four 1.5V AA batteries, remote unit and user manual.

CATALOG NO.	DESCRIPTION
2127.82	Wire Mapper Pro Model CA7028 (LAN Cable Tester)
<b>Accessories (Optional)</b>	
2127.76	Tone Receiver/Cable Tracer Model TR03