

# **Model 1550**

## **Metallic Time Domain Reflectometer Cable Fault Locator**



The Model 1550 is a low cost waveform TDR designed for rugged, outside plant applications. A truly one-handed, ergonomic design provides the operator with an easy to use yet versatile TDR, Cable Fault Locator.

The unique modular test lead design provides quick and easy adaptation to a variety of industries and applications. The custom waterproof housing and easy access battery compartment makes the model 1550 the perfect troubleshooting tool for anytime, anywhere and any weather application.

The Model 1550 features multiple ranges, a large backlit LCD, adjustable instrument settings, and fingertip operation, locate opens, shorts, taps, splices, water corrosion and may other cable faults and conditions. The small size and low cost make the Model 1550 an ideal tool for all technicians, linepersons and construction personnel.



**Riser Bond**

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# Model 1550

## Product Specifications

### Physical Dimensions:

Height: 9.8 inches (250 mm)  
Width: 4 inches (100 mm)  
Depth: 2.2 inches (55 mm)  
Weight: 1.3 pounds (600 gm)

**Power:** Six (6) AA Batteries

### Environmental Operating Temperature:

-20°C(-4°F) to +55°C(+131°F)

### Storage Temperature:

-30°C(-22°F) to +70°C(+158°F)

**Humidity:** 93% relative humidity at +40°C

### Display:

128 x 64 dot matrix liquid crystal display  
(LCD) with backlight

### Output Pulse:

7 nsec to 2000 nsec selected according to range

**Distance Accuracy:**  $\pm$  0.9% of range

### Ingress Protection:

Water resistant to BS2011, Part 2.1 R/IEC  
68-2-18, Test Ra

**Cursor:** Single vertical line

**Resolution:** 1% of range

**Gain:** Automatic. Varied across screen

### Pulse Amplitude:

5V nominal when unterminated

### Output Impedance:

25,50,75 and 100 switchable

### Ranges:

33ft. (10m), 98ft. (30m), 330ft. (100m),  
980ft. (300m), 3300ft. (1000m), 9800ft.  
(3000m)

**Input Protection:** Up to 250 volts

### Velocity of Propagation:

Adjustable from .20 to .99

**Output Sockets:** 2x4 mm on 19 mm pitch

**Safety:** EC Directive 73/23/EEC, as amended  
by 93/68/EEC. BS EN 41003: 1997

### Standard Accessories:

Operator's manual, weatherproof  
shoulder bag with belt loop, 6 AA  
batteries

### Optional Accessories:

Fused blocking filter test lead for live  
power cable to 600VAC, 50ohm test lead  
for coax cable and unenergized power  
cable, 75ohm test lead for coax cable,  
100ohm test lead for twisted pair, BNC to  
F adaptor, extended warrantee