



MODEL 3000

METALLIC Time Domain Reflectometer Cable Fault Locator

OPERATOR'S MANUAL

RiserBond
INSTRUMENTS™

6-92

1.2 SPECIFICATIONS

Physical Dimensions:	Length: 10.5 inches (267.0 mm)
	Width: 9.75 inches (247.6 mm)
	Depth: 5.00 inches (152.0 mm)
	Weight: 6 pounds (2.72 kg)
Power:	Four cell 4.4 Ahr NiCad Battery Pack
Charger:	12 VAC, 500 mA Charger
Environmental:	Operation Range: -10 C (+14 F) to +55 C (+131 F)
	Storage Range: -30 C (-22 F) to +70 C (+158 F)
Display:	4 1/2 digit Liquid Crystal Display with Electroluminescent Backlighting
Velocity of Propagation:	Thumbwheel switches adjustable from .01 to .99 in increments of .01
Input Protection:	Up to 250 Volts (AC+DC) from DC to 60 hz and decreases to 10 volts at 1 Mhz

Output Connector: Front Panel Female BNC

Measuring Ranges: Maximum Readability

SHORT* 1999 ft. (199.9 m)
MEDIUM* 19,990 ft. (1999 m)
LONG* 19,900 ft. (1999 m)

* Maximum testable cable lengths will vary with each type of cable and Velocity of Propagation.

Sensitivity: Greater than 40 DBRL

Accuracy:

SHORT 1.0% of range*
MEDIUM 1.5% of range*
LONG 2.0% of range*

* plus uncertainty of cable Velocity of Propagation

Resolution:

SHORT 1 ft. (.1 m)
MEDIUM 10 ft. (1 m)
LONG 10 ft. (1 m)

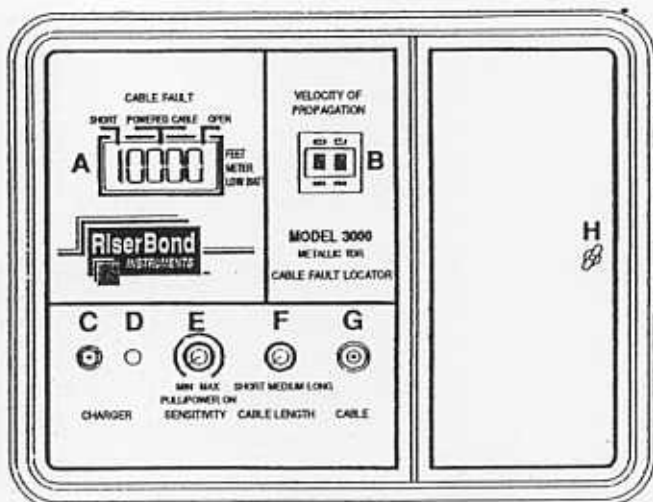
Standard Accessories
included:

Adaptors
Battery Charger
NiCad Batteries
Operator's Manual

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Figure 2.1 shows Model 3000 front panel.

panel components, are shown in Figure 2.1.



- A - Display
- B - VOP Thumbwheel
- C - Charging Jack
- D - Charge Indicator
- E - On/Off Switch and Variable
Sensitivity Control
- F - Cable Range Switch
- G - Cable Connector
- H - Storage Compartment

Figure 2.1