

Riser Bond Model 1270 Specs

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Model 1270 Product Specifications

Physical Dimensions:

Height: 10.5 in (267 mm)
Width: 9.75 in (247.6 mm)
Depth: 5 in (127 mm)
Weight: 6 lb (2.7 kg)

Power: Internal, rechargeable, 7.2V Nickel metal hydride

Charging Source: External 12VAC transformer, 1.3 A

Operating Time: Greater than 6 hours, continuous without backlight

Environment:

Operating temperature:
+32 deg F (0 C) to +122 deg F (+50 C)

Typical temperature:
5 deg F (-15 C) to +140 deg F (+60 C)

Storage temperature:
-4 deg F (-20 C) to +140 deg F (+60 C)

Humidity: 95% maximum relative humidity, non-condensing.

Display:

320 x 240 dot matrix liquid crystal display (LCD) with CFL backlighting.

Maximum Ranges:

63,700 feet (19,400 meters) at .99 VOP
38,600 feet (11,700 meters) at .60 VOP
Range varies with VOP. Maximum testable cable, length varies with pulse width and cable type.

Horizontal Resolution:

<Coaxial: less than 2,000 ft (610 m): < less than .05 ft (.03 m) at .999 VOP, <less than .02 ft (.01 m) at .300 VOP

>Line 1, Line 2: less than 2,000 ft (610 m): < less than .25 ft (.08 m) at .999 VOP, <less than .08 ft (.03 m) at .300 VOP

>Any Input: less than 2,000 ft (610 m): < 1 ft (.1 m) at any VOP

Vertical Sensitivity:

Greater than 65 dB.

Velocity of Propagation:

Two user-selectable display formats VOP (%)

Input Protection:

400 volts (AC+DC) from DC to 400 Hz and decreases to 10 volts at 1 MHz

Distance Accuracy: COAX: +/- 0.1 ft (.03 m) plus +/- .01% of reading.

Line 1, Line 2:: +/- 0.5 ft (.15 m) plus +/- .01% of reading.

Accuracy will vary with VOP and cable type.

Serial I/O Port: RS-232

Output Pulses:

BNC: sub-nanosecond, 2, 25, 100, 500 nanoseconds

Banana Jack: 2, 25, 100, 1000, 6000 nanoseconds

Auto dBRL:

2 digit auto return loss calculation at cursor setting.

Auto Crosstalk:

2 digit crosstalk calculation at cursor setting.

Waveform Storage: *Each with full vertical resolution*

Standard: 8 waveforms

Optional: 32 waveforms

Automatic/Manual Noise Filter:

Standard: 8x Averaging, 50/60 Hz, Auto-Filter.

Optional: 4x, 16x, 32x, 64x, 128x Averaging.

Accessories:

Standard: Operator's manual, Shoulder strap, Battery charger, Battery pack, Probes and connectors, Filter, WAVE-VIEW for Windows software, Clip-on accessory bag.

Optional: Additional waveform storage package, Multi-function/multi-level filtering package, Strand hooks kit, Custom soft-side carrying case, Extended warranty.

CE CERTIFIED

ISO 9001 Registered

Year 2000 Compliant

with 3 digital precision ranging from 30.0% to 99.9%; $\sqrt{2}$ with 4 digital precision (feet or meters mode or from 148.0 to 487.0 in feet mode.

Output Connector: Front panel Banana Jacks and BNC.

Technological advances allow changes in specifications and/or components. Changes may be made without notification.

For more information on this instrument call (402) 466-0933 or (800) 688-TDRS.