

Riser Bond Model 1205CXA

Metallic Time Domain Reflectometer Cable Fault Locator

Features / key benefits

- **Range-plus** – Two-button operation that allows the operator to quickly scan the cable under test while automatically stepping through a specific pulse width, vertical gain, and cable length.
- **Sub-nanosecond Pulse Width** – Pinpoint minor faults which interrupt digital services and cause signal loss, ingress, and egress.
- **Intermittent Fault Detection (IFD)** – Monitor and locate hard-to-find intermittent faults using the IFD mode.
- **Dual Independent Cursors** – Measure between any two points on the waveform.
- **SUPER-STORE Waveform Data Storage** – Helps reduce downtime in a system. Simply connect the TDR, press “store”, and have the system back up and running within minutes. Analyze the waveform later.
- **WAVE-VIEW Software** – Upload waveforms to your computer. Document before accepting new plant, save money when comparing replacement versus repair cost.
- **Rugged, waterproof packaging** – Rugged, weatherproof casing helps keep the 1205CXA on the job, regardless of location or climate conditions.
- **Easy-to-use** – Logical, step-by-step testing for fault location and diagnosis is easy-to-use by all levels of expertise.



Product specifications

Physical Dimensions:	
Width:	10.5 inches (267 mm)
Height:	9.75 inches (247.6 mm)
Depth:	5 inches (127 mm)
Weight:	6 pounds (2.7 kg)
Power:	
Battery:	Internal, rechargeable, 7.2 V Nickel metal hydride
Charging Source:	External 12 VAC transformer, 1.3 A
Operating Time:	Greater than 6 hours, continuous without backlight
Environment:	
Operating temperature:	0° C (+32° F) to +50° C (+122° F)
Typical temperature:	-15° C (+5° F) to +60° C (+140° F)
Storage temperature:	-20° C (-4° F) to +60° C (+140° F)
Humidity:	95% maximum relative humidity, non-condensing
Display:	320 x 240 dot-matrix, liquid crystal display (LCD) with cathode fluorescent (CFL) backlighting
Maximum Ranges:	63,700 feet (19,400 meters) at .990 VOP 51,500 feet (15,500 meters) at .800 VOP Range varies with VOP. Maximum testable cable length varies with pulse width and cable type.
Horizontal Resolution:	
Up to 2,000 ft (610 m):	<.05 ft (.03 m) at .990 VOP <.02 ft (.01 m) at .300 VOP
Over 2,000 ft (610 m):	1 ft (.1 m) at any VOP
Vertical Resolution:	14 bits with 170 dots displayed
Vertical Sensitivity:	Greater than 65 dB
Output Connector:	Front panel Female BNC
Velocity of Propagation:	Two user-selectable display formats. VOP (%) with 3 digit precision ranging from 30.0% to 99.9%; V/2 with 4 digit precision ranging from 45.8 to 148.9 in meters mode or from 148.0 to 487.9 in feet mode.
Input Protection:	400 volts (AC + DC) from DC to 400 Hz and decreases to 10 volts at 1 MHz.
Distance Accuracy:	Accuracy will vary with cable VOP and cable type. ± .1 ft (.03 m) plus ± .01% of reading
Serial I/O Port:	RS-232
Output Pulses:	Selectable output pulse widths
Auto dBRL:	2 digit auto return loss calculation at cursor setting
Waveform Storage:	
All with full vertical resolution	32 waveforms
Automatic/Manual Noise Filter:	Multi-function/Multi-level filtering
Accessories:	
Standard:	Operator's manual, Shoulder strap, Battery charger, Battery pack, Noise filters, Connectors, WAVE-VIEW for Windows software, Clip-on accessory bag.
Optional:	Strand hooks kit, 12V Cigarette lighter charger, Custom Soft-side carrying case.



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

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