optical fault locator

FR2

Description

The Wilcom FR2 Fiber Ranger Fault Locator is a rugged, lightweight, hand-held , easy-to-use optical fault locator for multimode and singlemode applications. Using OTDR (Optical Time Domain Reflectometer) technology, the FR2 is designed to pinpoint faults in optical cable, that can be over 20 kilometers away, with amazing accuracy. The FR2 operates at the industry standard wavelength of 1310nm, and can display the distance to the fault in meters or feet.

Useful applications for the FR2 include testing: Wide Area Networks (WANs), telecommunication spans of up to 20 kilometers, Fiber-to-the-Curb, installation and maintenance of multimode and singlemode fiber cabling, and Military systems. The FR2 is an excellent tool for locating faulty connectors, end-of-fiber, and breaks in multimode and singlemode fiber cable.

The FR2 has been designed with the user in mind with easy to use features. It has a large easy to read LCD display, and a single measure push-button for activating the unit's measure operation. The Index of Refraction (IOR) is user selectable with a single push-button. The FR2 will display the distance to an event (fault) in either feet or meters. The FR2 has the ability to detect up to seven multiple events with the push of a single button.

Specifications:

Optical Connector	Single Port
Emitter Type	Laser
Emitter Classification	Class I (FDA 21 CFR and IEC 825)
Wavelength	1310 nm
Fiber Type	Multimode and Singlemode
Index of Refraction	1.40 to 1.69
Accuracy	+/- 2 m
IOR Error	0.001 IOR = 0.67 m/km
Minimum Distance Measured	30m
Maximum Distance Measured	20km
Minimum Detectable Signal (10km)	-49 dB
Number of Events Detected	7
Operating Temperature	-10℃ to +50℃
Storage Temperature	-20℃ to +60℃
Power	4 AA size alkaline batteries
Battery Life	13,000 operations
Dimensions (HWD)	7.7 x 4.0 x 1.7" (195 x 100 x 45 mm)
Weight	0.9 lbs. (440g)
Connector Options	ST, FC or SC
Warranty	1 year
Accessories	soft case
Patent Number	US 6,381,011,B1

Ordering Information:

Description	Part Number
FR2 w/ ST connector	30000202
FR2 w/ FC connector	30000201
FR2 w/ SC connector	30000203

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