

Mini OTDR

FR4

Description:

The Wilcom FR4 is a lightweight, handheld, fast and easy-to-use Optical Time Domain Reflectometer with core functions required to measure optical fiber from one end during installation, repair and verification. This unit is ideal for field and maintenance of new or existing fiber networks.

The mini-OTDR is very fast, producing a scan within one second of pressing the scan button. It also features an easy to use Zoom function that enables the user to observe the entire link, or zoom in on defects. This unit is available in multimode or singlemode with single, dual, tri, or quad wavelengths making it ideal for LAN, Metro or Fiber-to-the-Home (FTTH) applications.

Each unit is capable of measuring splice loss, link attenuation and distance. The switchable output port(s) use high powered pulsed lasers, and the backlit QVGA monochrome display provides a powerful yet simple set of fiber parameters and control indications to view an entire fiber link or zoom in and analyze a splicing point or a defect in the fiber. The display shows fiber loss versus distance, individual and dual cursor measurements and important instrument parameters such as Index of Refraction, pulse width, scanning speed, and a battery gauge.



Specifications:

Wavelength of Operation (nm)	850, 1300, 1310, 1550 +/- 20nm
Connector Type	Interchangeable SC (FC and ST are available)
Dynamic Range	23 dB
Distance Accuracy	+/- (1 meter + 0.01% x distance)
Loss Modes	2 point, Splice Loss, dB/km
Group IOR Range	1.024 to 2.048
Vertical Expansion	0.5, 1, 2, 4 dB/div
Units of Measure	Meters or Kilofeet
Pulse Widths	Short Pulse (SP) 4m/13ft Medium Pulse (MP) 50m/16ft Long Pulse (LP) 100m/330ft
Distance Range	1km/3.3kft, 4km/8kft (SP) 4km/13kft, 16km/53kft (MP) 16km/53kft, 64km/215kft (LP)
Dead Zone	6m
Data Storage	255 traces
Interface	USB
Dimensions	7.25 x 4.5 x 3.5"
Weight	1.9 lbs

Ordering Information:

Model	Description	Part Number
FR4-850	Multimode, Single Wavelength 850nm	30040020-01
FR4-1300	Multimode, Single Wavelength 1300nm	30040030-01
FR4-1310	Singlemode, Single Wavelength 1310nm	30040040-01
FR4-1550	Singlemode, Single Wavelength 1550nm	30040050-01
FR4-8513	Multimode, Dual Wavelength 850/1300nm	30040060-01
FR4-1315	Singlemode, Dual Wavelength 1310/1550	30040070-01
FR4-QUAD	Singlemode/Multimode, Quad Wavelength 850/1300/1310/1550nm	30040080-01

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