

WRX280 Optical Power Meter

Operates at Ten Standard Wavelengths

The WRX280 Optical Power Meter with integrated 10mW Visual Fault Locator (VFL) and cable tracker is designed for continuous optical signal power measurement, fiber optic link loss testing, and fiber continuity verification. Controlled by a single-chip processor, it supports measurements at 10 standard wavelengths and provides frequency recognition, wavelength recognition, user calibration, wavelength memory, automatic shutdown, and backlight display functions. The built-in 10mW VFL offers CW, 1Hz, and 2Hz operating modes for efficient fiber identification and troubleshooting. The unit features a rechargeable 700mAh lithium battery for extended operation and includes a universal 2.5mm SC/ST/FC interface, along with a 1.25mm LC adapter for added versatility.



Features

- Measures ten standard wavelengths: 850, 980, 1300, 1310, 1490, 1550, 1625, and 1650nm
- Optical power meter range: -50 to +26 dBm
- Integrated 10mW Visual Fault Locator with three operating modes
- Identifies CW, 270Hz, 330Hz, 1kHz, and 2kHz modulated signals
- Supports RJ45 network testing
- RJ45 line sequence measuring range up to 300m
- Automatic shutdown, backlight selection, wavelength memory, and user calibration functions
- Universal 2.5mm FC/SC/ST interface with included 1.25mm LC adapter
- Simultaneous display of linear (mW) and non-linear (dBm) measurements
- High-resolution 3.5-inch color LCD display
- Stores up to 500 groups of test data for easy viewing and management
- Micro USB data interface
- Rechargeable 700mAh high-capacity battery for extended operation



Specifications

Optical Power Meter	
Wave range	800nm - 1700nm
Connector	2.5mm interface, separate adapter for 1.25mm included
Detector Type	InGaAs
Power range	-50dBm to +26dBm
Uncertainty	+/- 5%
Wavelengths	850,980,1270,1300,1310,1490,1550,1577,1625,1650nm
Display resolution	Linear display - 0.1%; Logarithmic display - 0.01 dBm
Identified frequency	CW 270Hz, 330 Hz, 1kHz, 2kHz
Storage	500 groups of data storage
VFL	
Wavelength	650nm +/- 30nm
Output Power	10mW
Mode	CW, 1Hz, 2Hz
Connector	2.5mm interface, separate adapter for 1.25mm included
Additional Specifications	
Wavelength	650nm +/- 30nm
Interface	Type-C
Battery duration	120 hours (OPM)
Auto shutdown	10, 30, 60 minutes
Operating temperature	-10°C ~ +50°C
Storage temperature	-10°C ~ +50°C
Relative humidity	0 ~ 95%, No Condensation
Dimensions	4.3" x 2.7" x 1.1"
Weight	.5 lbs

Ordering Information

Part Number	Description
WRX280	Optical power meter supports ten standard wavelengths and features 10mW visual fault locator, cable tracker, and frequency recognition