

WRX281 Optical Light Source

Operates at 850, 1300, 1310, & 1550 Wavelengths

The WRX281 Optical Light Source is a precision fiber optic test instrument designed for fiber link continuity verification, fault diagnosis, and insertion loss testing. Supporting multimode and singlemode operation at 850nm, 1300nm, 1310nm, and 1550nm wavelengths, it features adjustable optical output power up to 6 dB, continuous wave and modulated output modes, automatic power-off, wavelength memory, and a backlit LCD display. Powered by a 1500 mAh rechargeable lithium battery, it provides up to 24 hours of operation and includes a universal 2.5 mm interface with a 1.25 mm adapter. When used with the WRX280 Optical Power Meter, it enables accurate bidirectional loss and continuity testing of optical fiber links.



Features

- Precision optical light source for fiber link continuity verification, fault diagnosis, and insertion loss testing
- Supports multimode and singlemode operation at 850nm, 1300nm, 1310nm, and 1550nm wavelengths
- Adjustable optical output power with up to 6dB attenuation range
- Continuous wave (CW) and modulated output modes for versatile testing applications
- Backlit LCD display for easy viewing in low-light environments
- Wavelength memory function recalls the last used setting at startup
- Automatic power-off feature helps extend battery life
- Powered by a 1500mAh rechargeable lithium battery with up to 24 hours of operation
- Universal 2.5mm optical interface with included 1.25mm adapter
- Enables accurate bidirectional loss and continuity testing when paired with the WRX280 Optical Power Meter
- Compact and reliable design for field and laboratory fiber optic testing applications

Specifications

Parameter	Value
Wave range	850nm, 1300nm, 1310nm, 1550nm
Output Power	≤ -5dB
Power range	0 to 6dB
Power Regulation Step	1dB
Working Mode	+0.2dB/15min

Stability	CW 270Hz, 330 Hz, 1kHz, 2kHz
Identified frequency	CW 270Hz, 330 Hz, 1kHz, 2kHz
Optical Connector	SC, FC
Display	Segment code screen
Power Supply	Rechargeable Li-ion battery
Battery duration	24 hours
Auto shutdown	Yes
Operating temperature	-10°C ~ +50°C
Storage temperature	-40°C ~ +70°C
Relative humidity	0 ~ 95%, No Condensation
Dimensions	5.5" x 2.7" x 1.1"
Weight	8.3 ounces

Ordering Information

Part Number	Description
WRX281	Optical Laser Source operating at 850nm, 1300nm, 1310nm, and 1550nm wavelengths for multimode and singlemode fiber testing; includes a power adapter, warranty card, and user manual