

WRX281 Optical Light Source

Operates at 850, 1300, 1310, & 1550 Wavelengths

The WRX281 Optical Light Source is a precision test instrument designed to provide a stable and accurate optical output for verifying fiber link continuity, diagnosing link faults, and performing insertion loss tests. The unit supports both multimode and singlemode operation at 850, 1300, 1310, and 1550 nm wavelengths, and offers an adjustable optical output power with a maximum range of 6 dB, for precise signal control. The instrument operates in both continuous wave and modulated output modes and includes an automatic power-off function to extend battery life during field use. A backlit LCD display provides clear visibility under low-light conditions, and the wavelength memory function automatically recalls the last used setting upon startup. Powered by a 1500 mAh rechargeable lithium battery, it delivers up to 24 hours of operation. The WRX281 is equipped with a universal 2.5 mm interface and a separate 1.25 mm adapter. When paired with the WRX280 Optical Power Meter, the WRX281 enables accurate bidirectional loss and continuity testing across optical links.



Features

- Supports both singlemode and multimode operation at 850nm, 1300nm, 1310nm, and 1550nm wavelengths
- Adjustable optical output power with a maximum range of 6 dB
- High output stability for precise testing
- Continuous wave (CW) and modulated output modes
- Auto power-off and backlit LCD display
- Backlit LCD Display ensures readability in low-light environments
- Wavelength memory function automatically recalls last-used wavelength on startup
- Built-in 1500 mAh rechargeable lithium battery, providing up to 24 hours of operation
- 2.5 mm universal connector (SC/ST/FC) with 1.25 mm adapter for LC interface

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	FC, SC
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	SM+MM Optical Laser Source with rechargeable li-ion battery operates at 850nm, 1300nm, 1310nm, 1550nm wavelengths. Includes power adapter, 1.25mm adapter, warranty card, and user manual