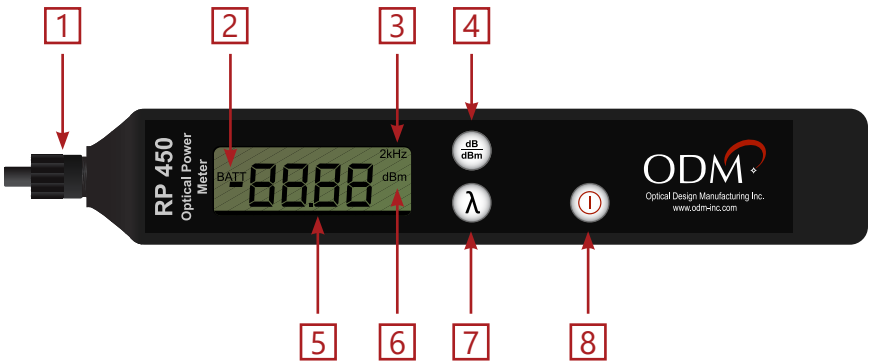


RP 450-02 Optical Power Meter

Quick-Start Guide

The RP 450-02 optical power meter is an essential tool for verifying the proper function of fiber optic networks. This document will serve as an overview of the major features and functions of the device.

Device Overview



1. **Connector Adapter - Interchangeable**

The RP 450 comes with a 2.5mm universal adapter. Contact ODM for additional adapter options.

2. **Low Battery Indicator**

"BATT" will appear on the LCD when the CR2 3V battery needs to be replaced.

3. **2kHz Tone Indicator**

The RP 450 will beep and show "2kHz" on the LCD when a 2kHz modulated signal is recognized.

4. **dB/dBm Button**

Press this button to toggle between dB and dBm modes. Hold this button down when in dBm mode to set a reference on the RP 450.

5. **LCD Screen**

This screen displays the measured value, currently-selected wavelength, and status indicators.

6. **Measurement Mode Indicator - dB/dBm**

dB is a loss measurement. dBm is an absolute power measurement.

7. **Wavelength Button**

Hold this button to switch the RP 450 between the 850, 1300, 1310, 1490, 1550, 1611, and 1625nm wavelengths. Press the button once to immediately display the current wavelength. The currently-selected wavelength will briefly appear onscreen every 8 seconds.

8. **Power Button**

Press this button once to turn the RP 450 on. Press once again to turn the RP 450 off. The RP 450 is set to turn off after 5 minutes. For continuous usage, press and hold the power button for 3 seconds when powering on.

Maintenance

Unpacking and Inspection

The RP 450 comes supplied with a soft carry case, 2.5mm adapter (on the unit), 3.0V CR2 battery, and instruction card. Contact ODM immediately if any part of the unit or packaging is damaged or otherwise unsatisfactory.

Low Battery

The RP 450 will provide over 1000 operations under normal conditions. When the BATT indicator is shown on the device screen, the CR2 battery should be replaced.

Optical Connector Interface

The RP 450 is equipped with a universal connector adapter which allows the interface of many popular style connectors. This connector adapter interface should be kept covered and protected from contamination. Care must be taken to avoid objects that could damage the glass surface of the detector mount. If scratches or breaks occur on the surface, please contact ODM for proper service.

Warranty and Calibration

All ODM products come with a 2 year warranty. ODM recommends recalibration every two years to ensure adherence to NIST measurement standards. The first recalibration is free within the warranty period. Contact ODM for return information.

Specifications

OPTICAL POWER METER	
Detector Type	-02: InGaAs / -04: Filtered InGaAs
Measurement Range	-02: +6 to -70dBm / -04: +23 to -45dBm
Wavelength Range	850nm to 1650nm
Selectable Wavelengths	850 / 1300 / 1310 / 1490 / 1550 / 1611 / 1625 nm
Resolution	0.01dB
Absolute Accuracy	± 0.25 dB
Optical Interface	Universal 2.5mm (Additional Adapters Available)
Display	LCD
Tone ID	2kHz
Power	Push Button Toggle / Auto OFF
Battery	CR2
Dimensions	6.1" x 0.94" x 0.75" (15.5 x 2.38 x 1.9 cm)
Weight	3 oz (85.4 g)

Contact ODM

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