

RP 440 - Optical Power Meter



Features

- ✧ RP 440 – 850/1310/1550nm
- ✧ RP 440/FTTx – 1310/1490/1550nm
- ✧ Audible indication of 2kHz Tone
- ✧ Compact custom design for field or laboratory
- ✧ Low cost, Long battery life
- ✧ Accepts all connector styles with unique ODM connector interface

Description

Optical Design Manufacturing Inc. manufactures a range of easy to use optical measurement probes for quick, simple verification of optical signals in the premise or telecom market. The RP 440 Optical Power Meter provides basic power measurements on fiber optic networks operating at 850nm, 1310nm, and 1550nm (RP 440/FTTx - 1310/1490/1550). The RP 440 measures optical power and displays the measurement in dBm according to N.I.S.T. traceable standards. The RP 440 also provides an audible alert when the incoming signal is a modulated 2kHz tone. This incoming tone may be generated by the companion TP 200 series Transmit PocketProbe or any external 2kHz optical source.

Use the RP 440 to check the output at the patch panel or the wall outlet. The RP 440 is also a useful tool for quick power measurements on the lab bench or to measure optical power on active fibers in the field.

Connection to the fiber under test is made via the universal 2.5 mm adapter. Additional male or female connector adapter styles are available. A readily available battery providing over 1000 operations powers the RP 440. A LO BAT display alerts the user to replace the battery.



Wavelength Range	800nm to 1600nm	Power On	Push button ON/OFF
Detector Type	Germanium, (RP 440-02, RP 440-02/FTTx) InGaAs, (RP440-03, RP 440-03/FTTx)	Battery	CR 2, 3V
Optical Interface	Universal 2.5 mm or 1.25 mm (order separately)	Low Battery	LCD enunciator
Measurement Range	RP 440-02, + 3dBm to -50 dBm RP 440-03, + 3dBm to -60 dBm	Operating Temperature	- 10° C to + 55° C
Absolute Accuracy	+/- .24dB	Storage Temperature	- 30° C to + 70° C
Resolution	.1dB	Physical	6.10 (15.5cm) H .940 (2.38cm) W .750 (1.90cm) D
Tone Identification	2kHz, Audible Alert	Weight	3.0 oz (8.5g)

Ordering Information

Part #	Description
RP 440 - 02	Germanium power meter 850/1310/1550nm, includes battery
RP 440 - 02/FTTx	Germanium power meter 1310/1490/1550nm, includes battery
RP 440 - 03	InGaAs power meter probe 850/1310/1550nm, includes battery
RP 440 - 03/FTTx	InGaAs power meter probe 1310/1490/1550nm, includes battery

Optional Accessories

For combined power meter/ light source test kits call Optical Design Manufacturing Inc.

Part #	Description	Part #	Description
TP 210	850nm LED Source	TP230	1300nm LED Source
TP 220	1310 Laser Source	TP240	1490nm Laser Source
AC 020	2.5mm universal connector	TP250	1550nm Laser Source
AC 021	1.25mm universal connector	AC 010	Single instrument case
TK 530	Dual Wavelength 850/1300 Multimode Test Kit		
TK 540	1310nm Laser Loss Test Kit		
TK 550	Singlemode FTTx PON Test Kit, (1310,1490 & 1550nm)		



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