

RP 460

Optical Power Meter

OPM for SM and MM Fiber Testing

The RP 460 Optical Power Meter measures optical power on fiber optic networks operating at many common SM and MM wavelengths. These easy-to-use optical power meters provide absolute dBm or dB loss measurements on all optical networks. The RP 460 allows the user to set the incoming signal to a “zero” reference and provide direct loss measurements.

Users can store up to 4000 measurements and transfer data via the mini USB port to any computer running ODM software. The unit allows users to review saved readings in the field to ensure that all appropriate data has been gathered. The unit also integrates with ODM’s LFI 100 accessory, which turns the RP 460 into an easy-to-use Live Fiber Identifier

Use the RP 460 to check the output at the patch panel or wall outlet in the premise, telecom or broadband market. Connection to the fiber under test is made via the included universal 2.5 mm adapter. Additional connector adapter styles are available.



Features

- Measures 850, 1300, 1310, 1490, 1550, 1611, 1625nm wavelengths
- dB and dBm measurement modes with reference-set function
- Onboard test results saving with USB data offload or stream to computer running ODM software
- Audible incoming 2kHz signal alert
- Interfaces with LFI 110 Live Fiber Identifier accessory
- Interchangeable input connector adapters



Connect RP 460 to a computer running ODM’s free software to transfer saved test results or provide live test readings for reports.



The RP 460 recognizes incoming 2kHz modulated “tones”. Tone recognition is shown onscreen and indicated by an audible beep.



Unit comes with a 2.5mm universal input adapter. Additional adapters are available; see next page for a full list of adapters.



Single-instrument padded carrying pouch included.

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
Storage	4000+ Measurements
Data Transfer	Mini-USB (Live Readings or Data Dump)
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)



Ordering Information

PART NO.	NOTES
RP 460-02	InGaAs detector measures optical power between +6 and -70dBm. Used for most standard fiber tests.
RP 460-04	Filtered InGaAs detector measures optical power between +23 and -45dBm. Ideal for test situations where high-powered light sources are used.

Power Meter Adapters

PART NO.	DESCRIPTION
AC 020	2.5 mm Universal Adapter
AC 021	1.25 mm Universal Adapter
AC 026	SC Adapter for Optical Power Meter
AC 027	ST Adapter for Optical Power Meter
AC 028	FC Adapter for Optical Power Meter
AC 029	LC Adapter for Optical Power Meter
AC 126	SC/APC Adapter for Optical Power Meter

Patch Cord Accessories

PART NO.	DESCRIPTION
AC 500	SM SC-LC - 1m Simplex
AC 501	SM SC-SC - 1m Simplex
AC 502	SM LC-LC - 1m Simplex
AC 550	MM SC-LC - 1m Simplex
AC 552	MM LC-LC - 1m Simplex
AC 600	SC-SC Simplex Bulkhead Adapter
AC 601	LC-LC Simplex Bulkhead Adapter
AC 602	LC-LC Duplex Bulkhead Adapter

Cleaning Tools

PART NO.	DESCRIPTION
AC 089	One-Click Cleaner for 1.25mm & ODC Ferrules / Bulkheads
AC 099	One-Click Cleaner for 2.5mm Ferrules / Bulkheads
AC 090	1.25mm Swabs (100 per Pack)
AC 091	2.5mm Swabs (100 per Pack)
AC 092	SqR Pad & Fiber Wash Pen
AC 190	Cletope Cleaner - Type B - Blue Tape

M-DS006-03 RP 460

ODM test equipment is furnished with a 2 year warranty extending from the original date of purchase. Contact ODM for information on recalibration and repair of test equipment. ODM makes every effort to ensure that all information in this data sheet is accurate. Ripley ODM LLC assumes no responsibility for any errors or omissions and reserves the right to modify this document at any time without notice. Please contact Ripley ODM LLC for pricing and availability of equipment.



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