UPM 100

USB Optical Power Meter

OPM for SM and MM Fiber Testing

ODM's UPM 100 USB Power Meter is used with ODM software to capture dB loss and absolute power dBm readings in optical fiber systems. The UPM's compact size and "plug and play" configuration make it the perfect tool for loss testing at any site; simply plug it into the USB port on any computer running ODM software and begin testing.

Compatible with ODM's software applications, the UPM 100 transmits a continuous stream of data to ensure the most accurate reading possible. Users can save readings based on customer or build-specific guidelines, and results displayed in red or green help testers easily identify acceptable and unacceptable dB loss measurements.

The small form-factor and simple design of this optical power meter make it an ideal choice for benchtop or labratory fiber testing; just plug the power meter in to a Windows computer via USB, open the ODM software, and begin testing.

This USB power meter comes equipped with a 2.5mm universal adapter. Other universal and specific adapter/connector styles are available.
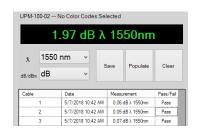
Features

- Measures 850, 1300, 1310, 1490, 1550, 1611, 1625nm wavelengths
- dB and dBm measurement modes with reference-set function
- NIST-traceable measurements

- Easy USB plug-and-play functionality with ODM's free software
- Small size ideal for manufacturing, laboratory, and other benchtop fiber testing applications
- Interchangeable input connector adapters

Connect UPM 100 to a computer running ODM's free software to provide live-streaming test readings for reports.

Set MIN and MAX parameters in software to provide live PASS/FAIL indications while testing.

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

Connect UPM 100 to a base-model VIS 300C to gather power meter readings on the test platform.

Specifications

USB 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	PC or Tablet Screen
Tone ID	2kHz
Storage	Save Data with ODM Software Applications
Data Transfer	USB 2.0
Power	Powered via USB
Dimensions	3.75" x 0.75" x 0.75" (9.5 x 1.9 x 1.9 cm)
Weight	0.8 oz (22.68 g)

USB Plug

Fiber Adapter

Power Indicator LED

Save Button

Ordering Information

PART NO.	NOTES
UPM 100-02	InGaAs detector measures optical power between +6 and -70dBm. Used for most standard fiber tests.
UPM 100-04	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	Cletop Cleaner - Type B - Blue Tape

M-DS009-08 UPM 100

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