VIAVI

VIAVI Solutions

MP-60 and MP-80

Miniature USB 2.0 Power Meters with
FiberChekPRO™ Integration

Miniature USB Power Meter

The MP-series power meter is a miniature device that measures optical power via a USB 2.0 connection to a PC/laptop or VIAVI test mainframe. This unique device makes digital processing of optical power measurements possible and integrates directly with VIAVI Solutions FiberChekPRO software, the industry-leading automated fiber inspection and analysis program. Its size, functionality, and ease-of-use makes it an extremely useful and practical tool when testing optical power levels. The simple, straightforward, and intuitive software interface offers a well-organized digital solution for both fiber inspection and test procedures.

MP-series USB power meters integrate directly with FiberChekPRO to offer an easy, practical digital solution for fiber inspection and test.
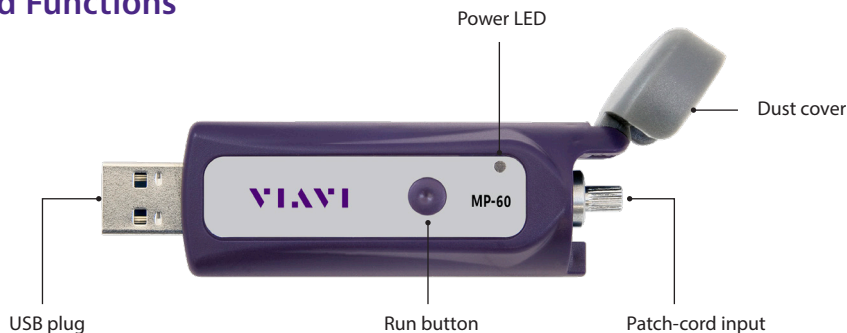
Key Benefits

- Quickly and easily test optical power on PC/laptop or VIAVI test mainframe
- Small form-factor design for ultimate portability
- Archives and creates custom logs for all results
- Integrate power measurement results into FiberChekPRO files and reports
- Easy and clear digital readouts

Key Features

- Lightweight, small form-factor design for ultimate portability
- Generates measurements in dB, mW, and dBm
- Compatible with FiberChekPRO fiber inspection and analysis software; integrated reporting capabilities within FiberChekPRO
- Simple, accurate, and instant push-button measurement results can be electronically archived, logged, and printed
- Dedicated for all single-mode and multimode applications including LAN, telecom, CATV, and DWDM testing
- Automated data-logging capabilities
- Automatic wavelength detection
- Measures optical power with multiple pre-calibrated wavelengths: MP-60 at 850/1300/1310/1490/1550 nm; MP-80 at 980/1310/1480/1550 nm

Components and Functions

Power LED

Dust cover

VIAVI MP-60

USB plug

Run button

Patch-cord input

Specifications

MP-60	
Dimensions	86 x 25 x 19 mm (3.4 x 1.0 x 0.8 in)
Weight	14 g (0.5 oz)
USB type	USB 2.0
Connector input	Universal 2.5 and 1.25 mm connectors
Measurement types	dB, mW, dBm
Detector type	Germanium
Power source	USB port on PC or laptop
Display range	−65 to +10 dBm
Max. permitted input level	+13 dBm
Intrinsic uncertainty[1]	±0.20 dB (±5%)
Linearity[1] (−50 to +5 dBm)	±0.06 dB
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Wavelength range	780 to 1650 nm
Wavelength and modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz
1300, 1310, 1490, 1550, 1625 nm	−50 to +10 dBm
850, 980 nm	−45 to +10 dBm
Warranty	1 yr

MP-80	
Dimensions	86 x 25 x 19 mm (3.4 x 1.0 x 0.8 in)
Weight	14 g (0.5 oz)
USB type	USB 2.0
Connector input	Universal 2.5 and 1.25 mm connectors
Measurement types	dB, mW, dBm
Detector type	Germanium
Power source	USB port on PC or laptop
Display range	−50 to +26 dBm
Max. permitted input level	+27 dBm
Intrinsic uncertainty[1]	±0.20 dB (±5%)
Linearity[1] (−32 to +20 dBm)	±0.06 dB
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Wavelength range	780 to 1650 nm
Wavelength and modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz
1300, 1310, 1490, 1550, 1625 nm	−35 to +23 dBm
850, 980 nm	−30 to +23 dBm
Warranty	1 yr

1. Under the following reference conditions: −20 dBm (CW), 1300 nm ±1 nm, 23°C ±3K, 45 to 75% relative humidity, 9 to 50 μm fiber.Ordering Information

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Description	Part Number
USB Optical Power Meter: Includes software, 2.5mm interface , carrying pouch	MP-60
USB Optical Power Meter: Includes software, 2.5mm interface, 1.25 interface , 30" (75cm) USB extender, carrying pouch	MP-60A
USB Optical Power Meter - High Power - Includes software, 2.5mm interface , carrying pouch	MP-80
USB Optical Power Meter - High Power - Includes software, 2.5mm interface, 1.25 interface , 30" (75cm) USB extender, carrying pouch	MP-80A
Digital Inspection & Test Kit: Includes FBP-P5000i Digital Probe Microscope, inspection tips (SC, LC, Univ. 2.5 & 1.25 male), MP-60 USB Optical Power Meter with 2.5mm and 1.25 interfaces , software, 30" USB extender, carrying case	FIT-SD103
Digital Inspection & Test Kit: Includes FBP-P5000i Digital Probe Microscope, inspection tips (SC, LC, Univ. 2.5 & 1.25 male), MP-80 USB Optical Power Meter with 2.5mm and 1.25 interfaces , software, 30" USB extender, carrying case	FIT-SD113

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