

MP-60 and MP-80

Miniature USB 2.0 Power Meters with FiberChek™ Pro Integration



Miniature USB 2.0 Power Meter

Applications

- Takes power measurements for all single-mode and multimode connectors via a USB 2.0 connection to a PC/laptop
- Measures optical power with multiple pre-calibrated wavelengths:
 - MP-60 at 850, 1300, 1310, 1490, and 1550 nm
 - MP-80 at 980, 1310, 1480, and 1550 nm
- Integrates digital power measurements, fiber inspection, and analysis into a single, unified work sequence

Benefits

- Quickly and easily test optical power on PC/laptop
- Small form-factor design for ultimate portability
- Archives and creates custom logs for all results
- Integrate power measurement results into FiberChek Pro files and reports
- Easy and clear digital readouts (with auto-voice option)

Key Features

- Lightweight, small form-factor design for ultimate portability
- Generates measurements in dB, mW, and dBm with auto-voice readout option
- Compatible with FiberChek Pro fiber inspection and analysis software; integrated reporting capabilities within FiberChek Pro
- 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

Miniature USB Power Meter

The new MP-series power meter is a miniature device that measures optical power via a USB 2.0 connection to a PC/laptop. This unique device makes digital processing of optical power measurements possible and integrates directly with JDSU FiberChek Pro 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 to both fiber inspection and test procedures.

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



Components and Functions

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

Part Number	Description
MP-60	USB Optical Power Meter: Includes software, 2.5mm interface, carrying pouch
MP-60A	USB Optical Power Meter: Includes software, 2.5mm interface, 1.25 interface, 30" (75cm) USB extender, carrying pouch
MP-80	USB Optical Power Meter - High Power - Includes software, 2.5mm interface, carrying pouch
MP-80A	USB Optical Power Meter - High Power - Includes software, 2.5mm interface, 1.25 interface, 30" (75cm) USB extender, carrying pouch
FIT-SD03	Digital Inspection & Test Kit: Includes FBP-5000 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

Test & Measurement Regional Sales

NORTH AMERICA TOLL FREE: 1 855 ASK-JDSU 1 855 275-5378	LATIN AMERICA TEL: +1 954 688 5660 FAX: +1 954 345 4668	ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770	EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	www.jdsu.com/inspect
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