MP-60 and MP-80

Miniature USB 2.0 Power Meters with FiberChek2™ Integration

Miniature USB 2.0 Power Meter

Applications

- Takes power measurements for all single-mode and multimode connectors via USB 2.0 connection to PC/laptop

- Measures optical power with multiple pre-calibrated wavelengths:

  – MP-60 @ 850, 1300, 1310, 1490, and 1550 nm

  – MP-80 @ 980, 1310, 1480, and 1550 nm

- Integrates digital power measurements, fiber inspection, and analysis into a single, unified work sequence

- With future software updates, the MP-60 and MP-80 USB power meters will be supported on JDSU access handheld platforms such as the HST-3000 and SmartClass™ Home

Key Features

- **Lightweight, small form-factor design for ultimate portability**

- **Generates measurements in dB, milliwatt, and dBm with auto-voice readout option**

- **Compatible with FiberChek2 fiber inspection and analysis software; integrated reporting capabilities within FiberChek2**

- **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 from JDSU 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 the JDSU FiberChek2 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.
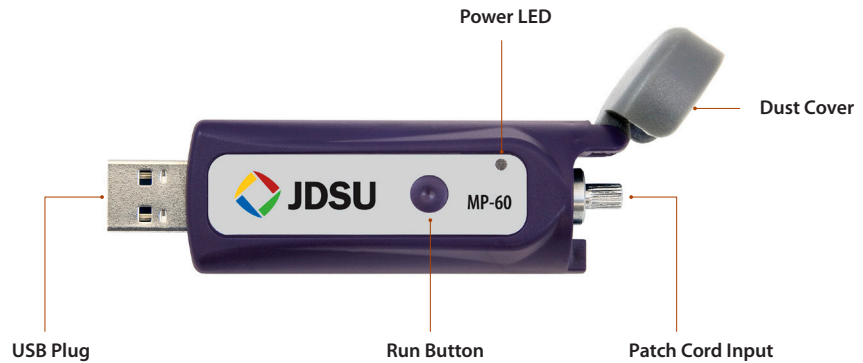

MP-series USB power meters integrate directly with FiberChek2 to offer an easy, practical digital solution for fiber inspection and test.

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 FiberChek2 files and reports

- Easy, clear, straightforward digital readouts (with auto-voice option) and interface with options for dB, milliwatt, and dBm measurements

Components and Functions

Power LED · Dust Cover · USB Plug · Run Button · Patch Cord Input

MP-60 Specifications

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, milliwatt, dBm
Power source	USB port on PC or laptop
Display range	−65 to +10 dBm
Max. permitted input level	+10 dBm
Intrinsic uncertainty[1]	±0.20 dB (±5%)
Linearity[1] **(−50 to +5 dBm)**	±0.06 dB
Standard wavelength settings	850, 1300, 1310, 1490, 1550 nm
Wavelength range	780 to 1650 nm
Wavelength and modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz
1300, 1310, 1490, 1550 nm	−50 to +10 dBm
850 nm	−45 to +10 dBm
Warranty	1 yr

MP-80 Specifications

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, milliwatt, dBm
Power source	USB port on PC or laptop
Display range	−50 to +26 dBm
Max. permitted input level	+23 dBm
Intrinsic uncertainty[1]	±0.20 dB (±5%)
Linearity[1] **(−50 to +5 dBm)**	±0.06 dB
Standard wavelength settings	980, 1310, 1480, 1550 nm
Wavelength range	780 to 1650 nm
Wavelength and modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz
1310, 1550 nm	−35 to +23 dBm
980 nm	−30 to +23 dBm
Warranty	1 yr

[1] *Under the following reference conditions: −20 dBm (CW), 1300 nm ±1 nm, 23℃ ±3K, 45 to 75% relative humidity, 9 to 50 µm fiber.*

Ordering Information

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

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