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 Viavi Solutions 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.

Key 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
- 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
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: ±0.20 dB (±5%)
- Linearity: (–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: ±0.20 dB (±5%)
- Linearity: (–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

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Optical Power Meter: Includes software, 2.5mm interface, carrying pouch</td>
<td>MP-60</td>
</tr>
<tr>
<td>USB Optical Power Meter: Includes software, 2.5mm interface, 1.25 interface, 30” (75cm) USB extender, carrying pouch</td>
<td>MP-60A</td>
</tr>
<tr>
<td>USB Optical Power Meter – High Power – Includes software, 2.5mm interface, carrying pouch</td>
<td>MP-80</td>
</tr>
<tr>
<td>USB Optical Power Meter – High Power – Includes software, 2.5mm interface, 1.25 interface, 30” (75cm) USB extender, carrying pouch</td>
<td>MP-80A</td>
</tr>
<tr>
<td>Digital Inspection &amp; Test Kit: Includes FBP-5000 Digital Probe Microscope, inspection tips (SC, LC, Univ. 2.5 &amp; 1.25 male), MP-60 USB Optical Power Meter with 2.5mm and 1.25 interfaces, software, 30” USB extender, carrying case</td>
<td>FIT-SD03</td>
</tr>
</tbody>
</table>