

# 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
- Includes 2.5 mm and 1.25 mm adapters for the most common connector types

### 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

### Specifications for Test Tools



## USB Power Meters

	MP-60	MP-80
Photo Diode	InGaAs	InGaAs (coated)
Spectral Range	Broadband (800...1650 nm)	
Wavelength Setting	800...1650 nm, step size 1 nm	
Resolution	0.01 dB, 0.001 $\mu$ W	
Measurement Range for Power Level	-65...+10 dBm	-50...+26 dBm
Max. Power Level	+16 dBm	+27 dBm
Measurement Uncertainty	$\pm$ 0.2 dB ( $\pm$ 5%) at ref. conditions	
Number of Calibrated Wavelengths	8 (850, 980, 1310, 1490, 1550, 1577, 1625, 1650 nm)	
Tone Detection	270 Hz, 330 Hz, 1kHz, 2kHz	
Auto functions <sup>1</sup>	Auto- $\lambda$	

## General Information

General (typical at 25 °C)	
<b>Interface</b>	
Spectral Range	Spectral Range
<b>Power Supply</b>	
AC operation	Via USB port on PC or laptop
<b>Environmental Conditions</b>	
EMI/ESD	CE compliant
Recommended calibration interval	3 years
Operating temperature	-10 to +55 °C (14 to 122 °F)
Storage temperature	-20 to +70 °C (-4 to 158 °F)
Dimensions (H x W x D)	86 x 25 x 19 mm (3.4 x 1.0 x 0.8 in)
Weight 14 g	(0.03 lbs.)

## Ordering Information

Description	Catalog Number
MP-60A - USB Broadband Power Meter with Accessories (includes 2.5 mm and 1.25 mm adapters)	MP-60A
MP-80A – High Power USB Broadband Power Meter with Accessories (includes 2.5 mm and 1.25 mm adapters)	MP-80A
FIT-SD103 - Kit FBP-P5000i And MP-60 FiberChekPRO SW Case Tips And Adapters	FIT-SD103
FIT-SD113 - Kit FBP-P5000i And MP-80 FiberChekPRO SW Case Tips And Adapters	FIT-SD113