

VIavi OP 1

PowerChek is an innovative OPM that lets fiber technicians measure optical power without the need for a test lead. Instead users attach interchangeable PowerChek connectors that engage safely to the bulkhead port without risking cross contamination or damage to the fiber endface. It is a compact, intuitive and reliable OPM equipped with a touchscreen display and onboard storage so users can measure data and store readings much faster than with traditional power meters. PowerChek is also bluetooth enabled for pairing with various devices including mobile phones, tablets, PCs, and other VIavi test equipment, letting technicians quickly measure power, store data, generate reports and share their results via e-mail.



POWERCHEK™ OPTICAL POWER METER

- Interchangeable connectors connect directly to bulkhead port
- Supports multiple connector types including SC, LC, and SC-APC
- Pairs with other devices via bluetooth
- Stores up to 125 test results on the device
- Measures wavelengths ranging from 780 to 1625 nm
- Micro USB port for PC connection to FiberChekPRO or charging
- Compatible with FiberChekPRO and FiberChekMOBILE
- Rechargeable Li ion battery for 12 hours continuous use
- Touchscreen

Dimensions	100 x 57 x 25 mm
Weight	100 g
Display	128 x 128 x 1.5"OLED touch screen
Connector	USB 2.0 (Micro-B)
Power Source	Li ion battery, USB power
Run Time	12 hours continuous, 24 hours ON idle
Power Mode	Active, auto off
Auto Shutoff Time	User programmable
Charge Time	4.5 hours from empty
Data Storage	Yes (125 results)
EC/IEC/EN61326	Yes
Warranty	1 year
POWER MEASUREMENT RANGES	
850 nm	-45 to +10 dBm
1300, 1310, 1490, 1550, 1625 nm	-50 to +10 dBm
Display Range	-65 to +10 dBm
Maximum Permitted Input Level	+10 dBm
Standard Wavelength Settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Intrinsic Uncertainty	±0.20 dB (±5%)
Linearity	±0.06 dB (-50 to +5 dBm)
Wavelength Range	780 to 1650 nm
Wavelength and Modulation Result Units	dBm, dB, Mw
Resolution	0.01 dB
Calibrated Wavelengths	850, 1310, 1490, 1550, 1625
Wavelength Settings	780 to 1650 in 1 nm steps
Tone Detection	270 Hz, 1kHz, 2kHz
Auto Lambda	Yes

ORDERING INFORMATION

STANDALONE	PART NUMBER
OPM, Cable: USB Male to micro USB Male, carrying Pouch (PowerChek Connectors sold separately)	OP-1
CONNECTORS AND ACCESSORIES	
SC PowerChek Connector	OPT-SC
LC PowerChek Connector	OPT-LC
SC APC PowerChek Connector	OPT-SC-APC
LC APC PowerChek Connector	OPT-LC-APC
OptiTap PowerChek Connector	OPT-OPTITAP
Connector Case	FBPP-TACS5
KITS	
Kit: OPM (OP-1), 3 PowerChek Connectors (SC, LC, SC APC), Cable: USB Male to micro USB Male, carrying Pouch, Connector Case	FIT-SP-1