

VIAVI OLP 82 (P)

FIBER POWER METER AND MICROSCOPE

The new OLP 82 from VIAVI is the first handheld tool to combine pass/fail fiber inspection and optical power measurement (OPM) into one solution. As part of the new VIAVI SmartClass fiber family, the OLP 82 helps service providers guarantee a lifetime of system performance from their network connectivity and gives contractors an essential tool for delivering best in class reliable networks to their customers.



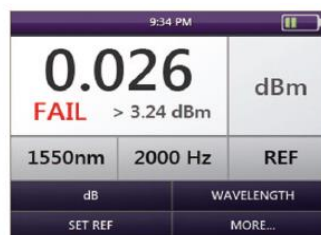
- Field portable OPM with multiple calibrated wavelengths from 780-1625 nm
- Automated pass/fail analysis for fiber inspection and test
- Supports both industry standard and user definable acceptance criteria
- Available with integrated PCM (patch cord microscope)
- Integrated connector certification reports
- Onboard storage for fiber inspection and test results
- Connects to a PC via mini-USB to export data and manage acceptance criteria using FiberCheck PRO software
- Two USB ports to connect additional devices such as a P5000i microscope
- Automatic fiber image centering
- Modern, smartphone style user interface with touch screen

INSPECT AND TEST FIBER ANYWHERE

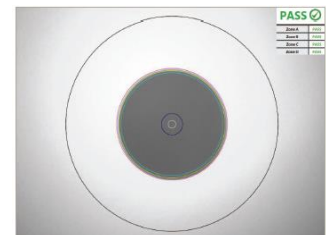
Use either the onboard Patch Cord Microscope (PCM) or connect a P5000i digital analysis microscope to inspect fiber end faces and eliminate poor quality components from entering your network. The integrated PCM can be combined with external P5000i microscope for optimizing workflow and working comfort.



Intuitive smartphone style user interface



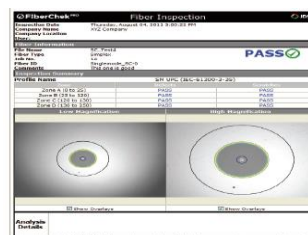
Accurate measurement and simple operation



User definable pass/fail acceptance criteria



Store inspection and management Readings on the device



Comprehensive data management and report generation

SPECIFICATIONS

GENERAL TECHNICAL (TYPICAL AT 25°C)	
Weight	1.2 lb (1.4 lb for PCM version)
Dimensions (H x W x D)	OLP-82 20.83 x 11.18 x 6.35 cm (8.2 x 4.4 x 2.5 in) OLP-82P 20.83 x 152.4 x 6.35 (8.2 x 60 x 2.5 in)
Video display	3.5 in color LCD, 4:3 ratio
Keypad	11+2 dome-buttons membrane panels 4 LED indicators
Connector	USB 2.0 (2 x host, Type A; 1 x device, Micro-B)
Power source	AC adaptor, battery (Alkaline or rechargeable Li ion), USB port
RUN TIME	
Rechargeable Li ion = (minimum)	8 hours
Alkaline	5 hours
Power mode	Active, Auto-off
Auto-shutoff time	User programmable
CHARGE TIME	
AC adaptor	8 hours
USB port	16 hours
Power Source	USB port
Certification	CE, IEC/EN61326
Warranty	1 year
OPM	
GENERAL TECHNICAL (TYPICAL AT 25°C)	
Interface	Free space (2.5 mm UPP adapter, 1.25 mm UPP optional)
Power measurement range 1300/1310 nm	
Standard	-50 to +10 dBm
High power	-40 to +23 dBm
850 nm	
Standard	-45 to +10 dBm
High Power	-35 to +23 dBm
Display range	
Standard	-65 to +10 dBm
High power	-50 to +23 dBm
Maximum permitted input level	
Standard	+10 dBm
High power	+23 dBm
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Intrinsic uncertainty ¹	±0.20 dB (±5%)
Linearity ²	±0.06 dB (-50 to +5 dBm)
Wavelength range	780 to 1650 nm

1. Under the following reference conditions: -20 dBm (CW), 1300 nm ± 1 nm, 23°C ± 3K, 45 to 75% rel. humidity, 9 to 50 µm fiber.

2. -5 to +45°C

WAVELENGTH AND MODULATION	
Result display	dBm, dB, MW
Resolution	0.01 dB
Calibrated wavelengths	850, 1310, 1490, 1550, 1625
Wavelength settings	780 to 1650 in 1 nm steps
780 to 1650 in 1 nm steps	270 Hz, 1 kHz, 2 kHz
VIDEO DISPLAY	
GENERAL TECHNICAL (TYPICAL AT 25°C)	
Live image	320 x 240 x 8 bit gray, 10 fps
Light source	Blue LED, 100,000+ hour life
Lighting technique	Coaxial
Low-magnification field-of-view (FOV)	
Horizontal	740 µm
Vertical	550 µm
High-magnification field of view (FOV)	
Horizontal	370 µm
Vertical	275 µm

ORDERING INFORMATION

STANDALONE UNITS	
DESCRIPTION	PART NUMBER
HD4i digital handheld video display	FBP-HD4i
HD4iP digital handheld video display, dual-mag patch cord module	FBP-HD4iP
OLP-82 digital handheld video display, integrated optical power meter	2315/01
OLP-82 digital handheld video display, integrated high-power optical power meter	2315/03
OLP-82P digital handheld video display, dual-mag patch cord module, integrated OPM	2316/01
OLP-82P digital handheld video display, dual-mag patch cord module, integrated high-power OPM	2316/03
KITS	
HD4i basic kit	FBP-SD4i
HD4i pro kit	FBP-SD4i-PRO
HD4iP basic kit	FBP-SD4iP
HD4iP pro kit	FBP-SD4iP-PRO
OLP-82 basic kit	FIT-8201
OLP-82 pro kit	FIT-8201-PRO
OLP-82P basic kit	FIT-82P01
OLP-82P pro kit	FIT-82P01-PRO
OLP-82P high power, basic kit	FIT-82P03
OLP-82P high power, pro kit	FIT-82P03-PRO
INCLUDED ITEMS	
STAND-ALONE UNITS	
SmartClass Fiber instrument	
Soft bag for SmartClass Fiber and accessories	
Power supply for SmartClass Fiber (12 V)	
FiberChekPRO software installation disk	
USB cable USB-A to micro-USB	
QuickStart manual and safety instructions	
Dry batteries (8x)	
ADDITIONAL ITEMS IN BASIC KITS	
P5000i Digital Inspection Microscope	
Inspection tips and adapters (bulkhead: SC and LC, patch cord: 2.5 and 1.25 mm)	
1.25 mm OPM adapter OLP-82/82P	
Additional Items in Pro Kits	
ADDITIONAL ITEMS IN PRO KITS	
P5000i Digital Inspection Microscope	
Inspection tips and adapters (bulkhead: SC and LC, patch cord: 2.5 and 1.25 mm)	
1.25 mm OPM adapter OLP-82/82P	
Cleaning materials for 2.5 and 1.25 mm (bulkhead and patch cord)	
Hands-free carrier for SmartClass Fiber	
Rechargeable battery for SmartClass Fiber (Li ion)	
FFL-050 Visual Fault Locator with 2.5 and 1.25 mm adapter	
ACCESSORIES	
Kit, RBP2 rechargeable battery (Li ion) and FBPP-PS4 power supply (12V)	FITP-RCG1
Power supply for SmartClass Fiber (12V)	FBPP-PS4
Rechargeable battery for SmartClass Fiber (Li ion)	FITP-RBP2
UC4 hands-free carrier for SmartClass Fiber	FITP-UC4
UC4P hands-free carrier for SmartClass Fiber with PCM	FITP-UC4P
Adapter U12 for OLP-82/82P	VPP-UPP12
Adapter U25 for OLP-82/82P	VPP-UPP25
SCASE2 soft shoulder case for SmartClass Fiber tools	FBPP-SCASE2