Data Sheet



## VIAVI OLP-82/82P

## SmartClass™ fiber power meter and microscope

The OLP-82 from VIAVI Solutions is the first handheld tool to combine pass/fail fiber inspection and optical power measurement (OPM) into one solution. As part of the 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.

The OLP-82 is ideal for technicians at any skill level with instant pass/fail acceptance results for both end-face quality and OPM in one button push. The OLP-82 can also save test results and generate certification reports to document work quality. Integrating these capabilities into one system helps the OLP-82 drive technician behavior toward implementing today's best practices in a seamless workflow that optimizes efficiency and reliability so they complete the job right—the first time.

The handheld OLP-82 can be used anywhere today's fiber technicians go, up poles or down holes. Technicians get ultimate flexibility and performance from this powerful, easy-to-use solution that can help any technician become an instant fiber expert.



## **Key Benefits**

- Complete jobs faster, correctly, and on time—the first time: Uniquely integrates fiber inspection and test for an efficient, easy-to-use solution that promotes best practices for handling fiber
- Analysis with pass/fail results on one handheld device: Automatically and easily certifies fiber end-face condition and measures optical power making even new technicians fiber experts
- Easily generates certification reports: Prove that work quality meets industry standards and customer specifications
- Use it anywhere: A portable, organized, hands-free carrier for easy use inside homes, at demarcation points, or up on telephone poles and cell towers

#### **Key Features**

- Field-portable OPM with multiple calibrated wavelengths from 780 to 1625 nm
- Automated pass/fail analysis for fiber inspection and test
- Supports both industry-standard and userdefinable acceptance criteria
- Available with integrated PCM
- 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 FiberChekPRO™ 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
- Rugged, weather-proof design

# Become an Instant Fiber Expert with SmartClass Fiber

- ✓ Integration Combines inspection and testing
- ✓ Automation Pass/fail certification
- ✓ **Ease of use** Intuitive smartphone-style user interface

#### Intuitive Smartphone-Style User Interface

View a high-contrast, color touch screen with menu icons



#### **Accurate Measurement and Simple Operation**

Make quick, easy dual-wavelength measurements at 850 and 1300 nm or 1310 and 1550 nm using saved reference levels.



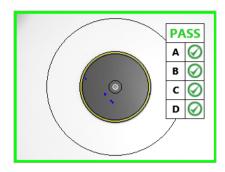
## Store Inspection and Measurement Readings on the Device

Store up to 10,000 measurement results on the device for export to a PC.



#### User-Definable Pass/Fail Acceptance Criteria

Whether using the IEC 61300-3-35 or customer-specific requirements, users can easily manage user-specified acceptance criteria with dedicated profiles for each requirement.



## Comprehensive Data Management and Report Generation

Easily generate certification reports that prove your quality of work meets industry standards or customer specifications using FiberChekPRO PC software.

- Easily store measurement data at the press of a button
- Manage data and store results on the instrument
- Download measurement results to a PC via a USB interface



### **Inspect and Test Fiber Anywhere**

## **Combines Inspection and Test in One Handheld Device**

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.

#### Benefits of Using P5000i and PCM Together

Working with both the P5000i and PCM:

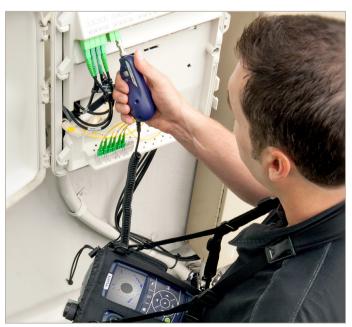
- Optimizes technician performance with tools designed for workflow
- Improves network activation with a reliable, repeatable processes
- Ensures test leads are safely stored when not in use
- Enables quick and easy inspection of both female (bulkhead) and male (patch cord) fiber connectors without changing tips

#### **Automatic Image Centering**

This convenient feature centers the fiber image on the screen.

#### **Ultimate Portability and Organization**

The hands-free carrier stores all essential tools, such as the inspection microscope, visual fault locator, and cleaning materials, in an organized, portable system that you can take with you to every job.



### **Specifications**

<b>General Technical</b>	(typical at 25°C)						
Weight 1.2 lb (1.4 lb for PCM version)							
Dimensions (H x V	( 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						
C	4 LED indicators						
Connector	USB 2.0 (2 x host, Type A;						
Dowersourse	1 x device, Micro-B) AC adaptor, battery (Alkaline or						
Power source	rechargeable Li ion), USB port						
Run time	rechargeable Erion), 03b port						
Rechargeable Li	8 hours						
ion = (minimum)	o nours						
Alkaline	5 hours						
Power mode	Active, Auto-off						
Auto-shutoff time	User programmable						
Charge time	Oser programmable						
AC adaptor	8 hours						
USB port	16 hours						
Power source	AA batteries, Li-ion battery, or						
1 OWEI SOUICE	AC power adaptor						
Certification	CE, IEC/EN61326						
OPM	1						
General Technical	(typical at 25°C)						
Interface	Free space (2.5 mm UPP adapter,						
	1.25 mm UPP optional)						
Power measureme	ent range						
1300/1310 nm	-50 to +10 dBm						
850 nm	-45 to +10 dBm						
Display Range	-65 to +10 dBm						
Maximum permit							
Standard	+10 dBm						
Standard	850, 980, 1300, 1310, 1490, 1550,						
wavelength	1625 nm						
settings							
Intrinsic	±0.20 dB (±5%)						
uncertainty <sup>1</sup>							
Linearity <sup>2</sup>	±0.06 dB (-50 to +5 dBm)						
Wavelength range	780 to 1650 nm						

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

<sup>2. -5</sup> to +45°C

Wavelength and modulation						
Result display	dBm, dB, MW					
Resolution	0.01 dB					
Calibrated	850, 1310, 1490, 1550, 1625					
wavelengths						
Wavelength	780 to 1650 in 1 nm steps					
settings						
Tone detection	270 Hz, 1 kHz, 2 kHz					
Video Display	Video Display					
General Technical (	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							
Part Number							
FBP-HD4i							
FBP-HD4iP							
2315/01							
2316/01							
FBP-SD4i							
FBP-SD4i-PRO							
FBP-SD4iP							
FBP-SD4iP-PRO							
FIT-8201							
FIT-8201-PRO							
FIT-82P01							
FIT-82P01-PRO							

Included Items
Stand-Alone Units
SmartClass Fiber instrument
Soft bag for SmartClass Fiber and accessories
Power supply for SmartClass Fiber (12 V)
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
Hands-free carrier for SmartClass Fiber
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						
Description	Part Number					
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					

## **VIAVI Care Support Plans**

## Increase your productivity for up to 5 years with optional VIAVI Care Support Plans:

- Maximize your time with on-demand training, priority technical application support and rapid service.
- Maintain your equipment for peak performance at a low, predictable cost.

Contact your local representative for more information on VIAVI Care Support Plan options or visit: <a href="viavisolutions.com/viavicareplan">viavisolutions.com/viavicareplan</a>

Features \*5-year plans only

Plan	Objective	Technical Assistance	Factory Repair	Priority Service	Self-paced Training	5 Year Battery and Bag Coverage	Factory Calibration	Accessory Coverage	Express Loaner
BronzeCare	Technician Efficiency	Premium	✓	✓	<b>✓</b>				
SilverCare	Maintenance & Measurement Accuracy	Premium	✓	✓	<b>√</b>	<b>√</b> *	<b>√</b>		
MaxCare	High Availability	Premium	✓	✓	✓	<b>√</b> *	✓	✓	<b>√</b>

