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JDSU FBP-HD4IP Specs




# OLP-82/82P

## SmartClass™ fiber power meter and microscope

The new 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 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.

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 user-definable 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

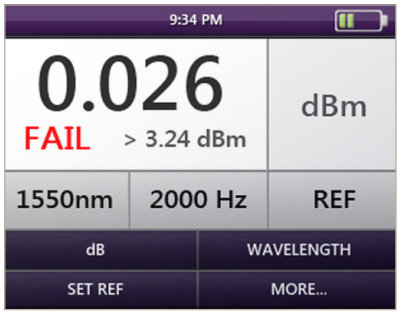
### Intuitive Smartphone-Style User Interface

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.



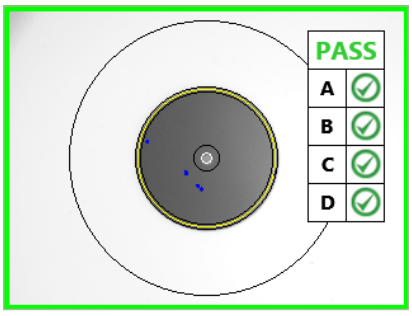

### Store Inspection and Measurement Readings on the Device

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




### User-Definable Pass/Fail Acceptance Criteria

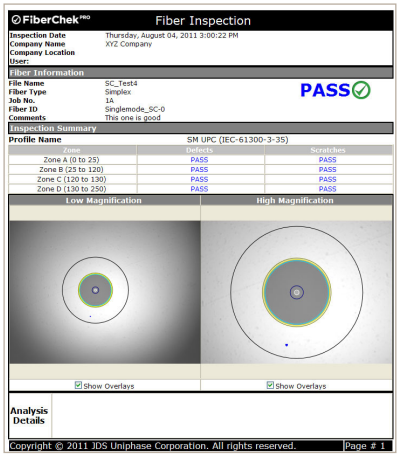
Whether using the IEC 61300-3-35 or customer-specific requirements, users can easily manage user-specified acceptance criteria with dedicated profiles for each requirement.




### 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

| | |
|---|---|
| **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<br>4 LED indicators |
| Connector | USB 2.0 (2 x host, Type A; 1 x device, Micro-B) |
| Power source | AC adaptor, battery<br>(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 |
| Auto lambda | Yes |
| **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** |
| 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 |

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