

# OptiFiber® Specifications and Ordering Information

| General Specifications                                       |   |
|--|---|
| Weight   | Main with module and battery:<br>4.5 lbs (1.9 kg)   |
| Dimensions   | Main with module and battery:<br>10.6 x 7.5 x 2.5 in (26.9 x 19.1 x 6.4 cm)                       |
| Battery  | Li-Ion  |
| Battery Life   | 8 hours   |
| Connections  | USB, RS-232, Fiber Inspector camera port,<br>PS-2 keyboard  |
| Memory Card  | SD MMC  |
| Environmental Specifications                                 |   |
| Operating Temperature  | 0°C to 40°C   |
| Non-Operating Temperature                                    | -20°C to 60°C   |
| Relative Humidity<br>(%RH operating without<br>condensation) | 95% (10 to 35°C)<br>75% (35 to 40°C)<br>uncontrolled < 10°C                                       |
| Vibration  | Random, 2 g, 5-500 Hz   |
| Shock  | 1 meter drop test while module is both<br>inserted inside and outside the instrument<br>enclosure |



OptiFiber Certifying OTDR

| Key OTDR Specs (23°C)  | Multimode:<br>OFTM-5610, OFTM-5611, OFTM-5612                               | Singlemode:<br>OFTM-5630, OFTM-5631, OFTM-5632                |
|------------------------|---|---|
| Output/Input Connector | SC/UPC  | SC/UPC (laser-hardened)                                       |
| Wavelengths            | 850 ±20 nm and 1300 ± 20 nm   | 1310 ±20 nm and 1550 ± 20 nm                                  |
| Fiber under test       | 50/125 µm or 62.5/125 µm multimode  | 9/125 µm singlemode   |
| Event Deadzone         | 850 nm: 0.7 m typical, 1 m max<br>1300 nm: 1.5 m Typical, 2 m max           | 1310/1550 nm: 3 m typical, 3.5 m max                          |
| Attenuation Deadzone   | 850 nm: 4.5 m Typical, 5.5 m max<br>1300 nm: 10.5 m Typical, 15 m max       | 1310/1550 nm: 10.5 m typical, 15 m max                        |
| Pulse Width            | 850 nm: 4 ns, 20 ns<br>1300 nm: 8 ns, 40 ns, 100 ns, 200 ns, 400 ns, 650 ns | 1310 nm/1550 nm: 8 ns, 40 ns, 100 ns, 250 ns,<br>500 ns, 1 us |
| Max Distance Range     | 850 nm: 3 km, 1300 nm: 7 km   | 1310 nm: 20 km, 1550 nm: 20 km                                |
| Dynamic Range          | 850 nm: >10 dB<br>1300 nm: >10 dB   | 1310 nm: >11 dB<br>1550 nm: >9 dB                             |

| Key Power Meter and Loss/Length Specifications (23°C) | OFTM-5612, OFTM-5632   |
|---|--|
| Input/Output Connectors                               | SC/SC  |
| Nominal Output Wavelengths                            | OFTM-5612: LED source: 850 nm and 1300 nm<br>OFTM-5632: Laser source: 1310 nm and 1550 nm        |
| Maximum Length Measurement                            | OFTM-5612: 5 km of 62.5 µm or 50 µm multimode fiber<br>OFTM-5632: 20 km of 9 µm singlemode fiber |
| Power Measurement Detector Type                       | InGaAs   |
| Calibrated Wavelengths for Power Measurement          | 850 nm, 1310 nm, 1550 nm   |
| Power Measurement Range                               | 0 to -60 dBm (1300/1310 nm and 1550 nm)<br>0 to -52 dBm (850 nm)                                 |

**Note:**  
Refer to OptiFiber Extended Specifications for further details  
Above specifications are subject to change without notice

**Power Meter Specifications OFTM-5611, OFTM-5631**

|                         |  |
|-------------------------|--|
| Input Connector         | SC   |
| Detector Type           | InGaAs   |
| Calibrated Wavelengths  | 850 nm, 1310 nm, 1550 nm                                       |
| Power Measurement Range | 0 to -60 dBm (1300/1310 nm and 1550 nm), 0 to -52 dBm (850 nm) |

**FiberInspector™ Pro Specifications OFTM-5352**

|                          |   |
|--------------------------|---|
| Magnification            | Switchable – 250x / 400x  |
| Dimensions (without tip) | 1.8 x 1.7 x 5.5 in (4.6 x 4.3 x 14.0 cm)<br>(Length depends on adapter tip) |
| Weight                   | 0.4 lb (180 g)  |

**OptiFiber Packages Ordering Information**

| Model     | Description                     | Includes  |
|-----------|---------------------------------|---|
| OF-500-01 | OptiFiber OTDR                  | Mainframe, battery, MM OTDR module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap  |
| OF-500-02 | OptiFiber Advanced OTDR         | Mainframe, battery, MM OTDR/OPM module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm test jumpers  |
| OF-500-10 | OptiFiber Certifying OTDR       | Mainframe, battery, MM OTDR/OPM/LL module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm test jumpers, 250X/400X inspection camera, hard carry case, MMC reader   |
| OF-500-15 | OptiFiber SR Certifying OTDR    | Mainframe, battery, MM OTDR/OPM/LL module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter (x2), carrying strap, soft protective case, 62.5 μm test jumpers, 250X/400X inspection camera, hard carry case, MMC reader, Smart Remote unit, Smart Remote MM Module, Smart Remote user guide, Smart Remote carrying strap, mini-B USB cable |
| OF-500-35 | OptiFiber Pro Inspector LL OTDR | Mainframe, battery, MM OTDR/OPM/LL module, SM OTDR/OPM/LL module, 62.5 μm and singlemode launch cables, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm and singlemode test jumpers, 250X/400X inspection camera, hard carry case   |

**OptiFiber Mainframe and Modules Ordering Information**

| Model     | Description   | Use   |
|-----------|---|---|
| OF-500    | OptiFiber Mainframe and Battery                     | Mainframe, battery, CD w/ LinkWare & manuals, user manual, AC adapter, 16 MB MMC, USB cable, carrying strap |
| OFTM-5610 | OptiFiber Multimode OTDR Module                     | Pinpoint the location of problems within a multimode fiber link, even if spaced as closely as 1 m apart     |
| OFTM-5611 | OptiFiber Multimode OTDR + PM Module                | Measure the insertion loss of multimode fiber link using a separate far-end 850/1300 nm source              |
| OFTM-5612 | OptiFiber Multimode OTDR + PM + Loss/Length Module  | Certify a multimode link using the proven standards-based two fiber, dual wavelength methodology            |
| OFTM-5630 | OptiFiber Singlemode OTDR Module                    | Pinpoint the location of problems within a singlemode fiber link, even if spaced as closely as 3 m apart    |
| OFTM-5631 | OptiFiber Singlemode OTDR + PM Module               | Measure the insertion loss of singlemode fiber link using a separate far-end 1310/1550 nm source            |
| OFTM-5632 | OptiFiber Singlemode OTDR + PM + Loss/Length Module | Certify a singlemode link using the proven standards-based two fiber, dual wavelength methodology           |



OptiFiber soft protective case OFCC-SCASE



OptiFiber Li-Ion Battery OFBP-LI



MMC reader DSP-MCR-U

### OptiFiber Options and Accessories Ordering Information

| Model       | Description                                | Use  |
|-------------|--|--|
| OFTM-5352   | FiberInspector™ Pro Video Probe, 250x/400x | High resolution 250x/400x inspection of fiber connectors on patch panels and cable assemblies. Includes Probe Adapter Tips (ST, SC, FC, and universal 2.5 mm patch cord tip)           |
| OFSR-MMREM  | Smart Remote with Multimode Option         | Use with OptiFiber mainframe for Smart Remote loss/length certification. Includes smart remote unit with a smart remote multimode module and accessories                               |
| OFSR-SFM    | Singlemode Smart Remote Module Option      | Use with the OptiFiber Smart Remote Option (OFSR-MMREM) to allow smart remote loss/length certification of singlemode fibers   |
| OFSR-MFM    | Multimode Smart Remote Module Option       | Use with a DTX CableAnalyzer™ copper tester to allow its remote unit to work with an OptiFiber mainframe as an OptiFiber smart remote unit for loss/length testing of multimode fibers |
| NF360       | FiberInspector MT-RJ Probe Tip             | For inspecting MT-RJ small form factor connectors  |
| NF362       | FiberInspector LC Probe Tip                | For inspecting LC small form factor connectors   |
| NF364       | FiberInspector MU Probe Tip                | For inspecting MU small form factor connectors   |
| NF366       | FiberInspector E2000 Probe Tip             | For inspecting E2000 connectors  |
| NFK1-LAUNCH | SC-SC 62.5/125 μm Launch Cable, 100 m      | OptiFiber launch and receive cables  |
| NFK2-LAUNCH | SC-SC 50/125 μm Launch Cable, 100 m        |  |
| NFK3-LAUNCH | SC-SC Singlemode Launch Cable, 130 m       |  |
| OFBP-LI     | OptiFiber Li-Ion Battery                   | Test a full 8 hours between charges with integrated charger  |
| OFCC-SCASE  | OptiFiber Soft Protective Case             | Additional protection for the mainframe and module   |
| OFCC-HCASE  | OptiFiber Hard Carrying Case               | Ultimate protection for the mainframe, modules, batteries and accessories  |
| OPV-KB      | External Mini-keyboard                     | Enter information quickly with the plug and play keyboard  |
| DSP-MMC16   | 16 MB MultiMedia Memory Card               | Record storage   |
| DSP-MMC32   | 32 MB MultiMedia Memory Card               |  |
| MMC CASE    | MMC Softcase                               | Easily keep track of your MMC cards in this handy case that stores up to 8 MMC cards   |
| DSP-MCR-U   | MMC Reader, USB cable                      | Upload saved results to the PC for results management, analysis and reporting  |
| 8251-03     | SimpliFiber 850/1300 LED Source, ST        | Optional sources for use with OptiFiber OTDR + Power Meter Modules   |
| 8251-13     | SimpliFiber 850/1300 LED Source, SC        |  |
| 8251-01     | SimpliFiber 1310 Laser Source, ST          |  |
| 8251-11     | SimpliFiber 1310 Laser Source, SC          |  |
| 8251-02     | SimpliFiber 1550 Laser Source, ST          |  |
| 8251-12     | SimpliFiber 1550 Laser Source, SC          |  |
| NF400       | Soft Case for Patch Cords & Accessories    |  |
| NF430       | Cleaning Kit                               | Properly clean fibers with optical grade cleaning pads, swabs and alcohol  |
| 800695      | Adapter Cable for Cigarette Lighter Jacks  | Charge the OptiFiber while on route to the jobsite   |



OptiFiber Smart Remote OFSR-MMREM



FiberInspector™ Pro Video Probe OFTM-5352

**NETWORK SUPERVISION**

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