

Microscopes for Fiber Inspection and Basic Optical Test Tools



Optical Connector Cleaning



FFL-050/FFL-100
Visual fault locator (VFL) for continuity check



FI-60
Fiber identification



P5000i¹ with FiberChek™ MOBILE
Connector inspection with pass/fail analysis

Handheld Test Tools for Insertion Loss and Power-Level Measurements



SmartPocket™ OMK-35 Kit
Insertion loss and power-level measurement



SmartClass™ Fiber OLP-82/-85
Insertion loss² and power-level measurement and connector inspection with pass/fail analysis



SmartClass Fiber OLP-87
PON/XG-PON power-level measurement and connector inspection with pass/fail analysis



SmartClass Fiber OLP-88
PON power-level measurement, GPON ONT activation process verification, ONT/ONU identification, rogue/alien-ONU detection, and connector inspection with pass/fail analysis

Solutions for Fault Location/OTDR/IL/ORL/Power-Level Measurements



T-BERD®/MTS-2000 OTDR or SmartOTDR™
Handheld/Handsfree modular test set for fault localization/OTDR measurement



T-BERD/MTS-2000 FiberComplete™
Handheld/hands-free modular test kit for automated bidirectional loss, return loss, and OTDR measurements from one optical port



T-BERD/MTS-4000 with OTDR and PON Power Meter or FiberComplete and PON Power Meter
Large-screen modular test platform accommodates dual modules for PON power-level measurements and either OTDR only or bidirectional OTDR and insertion and return loss

Remote Fiber Test System



ONMSI
Remote fiber testing and monitoring for point-to-point and point-to-multi-point networks

¹ Compatible with PC, laptop, SmartClass Fiber Series, and T-BERD/MTS-2000 and -4000 Platforms

² When paired with a companion light source

³ FTTH-SLM (Smart Link Mapper): Icon-based/schematic OTDR map view

Test and Monitoring Solutions for Fiber to the Home (FTTH)

| Tests to Perform | Tool Category | FFL-050 FFL-100 | FI-60 | P5000i | OLP-82 | OLP-87 | OLP-88 | OMK-35 Kit (OLS-35/ OLP-35) | T-BERD/MTS-2000 or -4000 with FiberComplete | T-BERD/MTS-2000 or -4000 with OTDR | OLP-4057 Selective 'PON' Power Meter Module (for T-BERD/MTS-2000 or -4000) | ONMSi |
|--|---------------------------------------|--------------------|-------|--------|--------|--------|--------|--------------------------------|--|---------------------------------------|---|-------|
| Verify continuity and visually locate faults | VFL | ■ | | | | | | | ■ | ■ | | |
| Identify live traffic on fiber | Fiber identifier | | ■ | | | | | | | | | |
| Inspect and pass/fail certify connector end faces | Digital video inspection scope | | | ■ | ■ | ■ | ■ | | ■ | ■ | | |
| Measure insertion loss | Loss test set | | | | ■ | ■ | | ■ | ■ | ■ | | |
| Measure optical return loss | Optical return loss (ORL) meter | | | | | | | | ■ | ■ | | |
| Verify link length/locate break | OTDR with trace and/or schematic view | | | | | | | | ■ | ■ | | |
| Measure loss, reflectance, and bends in fiber, splices, and connectors | OTDR with trace and/or schematic view | | | | | | | | ■ | ■ | | |
| Check 1490 nm power level without video overlay | Broadband power meter | | ■ | | ■ | ■ | | ■ | ■ | ■ | ■ | |
| Check power levels of individual upstream and downstream wavelengths | Selective 'PON' power meter | | | | | ■ | ■ | | | | ■ | |
| Verify GPON ONT activation process | GPON analyzer | | | | | | ■ | | | | | |
| Identify OLT/ONT and detect rogue/alien-ONUs | GPON analyzer | | | | | | ■ | | | | | |
| Monitor and test fiber networks remotely | RFTS or fiber link monitoring system | | | | | | | | | | | ■ |



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