

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

## 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



**P5000i<sup>1</sup> with FiberChek™ MOBILE**  
Connector inspection with pass/fail analysis



**FiberChek Sidewinder**  
Fully automated MPO 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 loss<sup>2</sup> 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 V2 with OTDR and PON Power Meter or FiberComplete and PON Power Meter**  
Large-screen modular test platform accommodates dual modules for OTDR or bidirectional OTDR and insertion and return loss, supports integrated MPO Switch Module

## Remote Fiber Test System



**ONMSi and SmartOTU**  
Remote fiber testing and monitoring for point-to-point and point-to-multi-point networks

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

<sup>2</sup> When paired with a companion light source

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

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Tests to Perform	Tool Category	FFL-050 FFL-100	FI-60	P5000i	FiberChek - Sidewinder	OLP-82	OLP-87	OLP-88	OMK-35 Kit (OLS-35/ OLP-35)	T-BERD/MTS-2000 or -4000 V2 with FiberComplete	T-BERD/MTS-2000 or -4000 V2 with OTDR	ONMSi	SmartOTU
Verify continuity and visually locate faults	VFL	■								■	■		
Identify live traffic on fiber	Live Fiber identifier		■										
Inspect and pass/fail certify connector end faces	Digital video inspection scope			■		■	■	■		■	■		
Inspect and pass/fail certify MPO 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 SLM view									■	■		
Measure loss, reflectance, and bends in fiber, splices, and connectors	OTDR with trace and/or SLM view									■	■		
MPO ribbon fiber certification	OTDR and SLM with MPO switch module										■		
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											■	■
Monitor and test fiber networks remotely	RFTS or fiber link monitoring system – Standalone Probe												■