VIAVI

LASER COMPONENTS

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[1] 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 loss[2] 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

Remote Fiber Test System

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

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

Line Card

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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