# VIAVI T-BERD/MTS
Smart Link Mapper OTDR Applications
### Turn any technician into an OTDR expert!

Smart Link Mapper (SLM) applications let any technician use an OTDR to optimize fiber networks for enduring performance!

Five applications for T-BERD®/MTS OTDR platforms are available:

- SLM displays OTDR results in a simple, icon-based map view (SmartLink), providing a clear diagnostic of detected issues

- Enterprise-SLM adds labeling schemes, project management and MPO testing

- FTTA-SLM adds a fiber-to-the-antenna user interface and a specific algorithm for OTDR measurements in cell tower/rooftop environments

- FTTH-SLM adds a fiber-to-the-home interface and a specific algorithm for measurements through PON splitters

- CABLE-SLM provides a high-level view when commissioning optical fiber cables
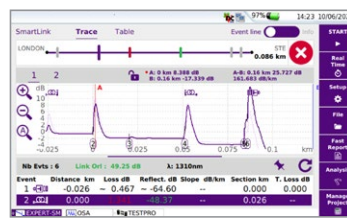
OTDR Trace view
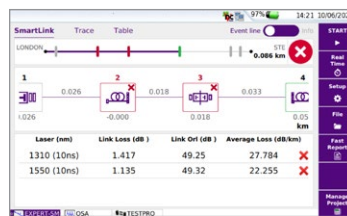
SLM view

Cable view

Benefits

- Makes OTDR result interpretation quick and easy

- Immediately provides a clear diagnostic when a bad link element is detected

- Speeds testing time and improves reliability

- Reduces truck rolls, re-testing, and cable waste

Key Features

- Directly correlates SLM view results and OTDR traces

- Automatic pass/fail analysis

- Compatible with multimode and single-mode OTDR modules

- Available for all SmartOTDR, T-BERD/MTS-2000, –4000 V2, -6000A platforms

 Pair of connectors

 Splice

 Bend

 Splitter

Install SLM OTDR applications on compatible deployed units or at the time of purchase.

Enterprise and Data Centers

- Self-setting OTDR with pre-defined SmartConfig™ – SmartConfig includes pre-set acquisition parameters and label format

- Cable label format per the TIA-606 standards

- Pass/fail alarm criteria per the TIA/ IEC standards TIA.568.3, ISO/IEC 11801, ISO/IEC 14673–3

- Project management capability to easily control and document all the tested fiber

- Management of an optical switch to test MPO cable

FTTA, C-RAN and DAS

- Tailored OTDR application for Cell Tower, Rooftops, Distributed Antenna Systems (DAS) and Cloud Radio Access Networks (C-RAN)

- Customized setup menus with FTTA parameters and terminology

- Automatic selection of best acquisition parameters

- OTDR signal analysis based on FTTA applications

- Smart algorithm to automatically detect and identify the network elements

FTTH

- Dedicated FTTH setup menus

- Full discover mode: auto-detection and identification of PON splitter types

- OptiPulses: auto measurement using numerous acquisition parameters to detect all events before, between, and after the splitter(s)

- Pre-set pass/fail thresholds per ITU-T/IEEE PON standards

- Direct correlation between SmartLink view and the OTDR traces

Cable Commissioning

- Optimized workflow, from testing against expected procedures to direct reporting

- Project view to easily control and document all the tested fibers

- Provide automation and consistency in managing an entire cable's commissioning

- Handle list of labels or cable routes

- Allow controlling an optical switch to test MPO cable

Ordering Information

Application	Part Number
SLM	ESMARTLINK-xK
SLM upgrade	ESMARTLINKxKUPG
FTTH-SLM	ESMARTFTTH-xK
FTTH-SLM upgrade	ESMARTFTTHxKUPG
FTTA-SLM	ESMARTFTTA-xK
FTTA-SLM upgrade	ESMARTFTTAxKUPG
CABLE-SLM	ESMARTCABLE-xK
CABLE-SLM upgrade	ESMARTCABLExKUPG
Enterprise-SLM	ENTERPRISE-xK
Enterprise-SLM upgrade	ENTERPRISExKUPG

In the part numbers, x=2 for T-BERD/MTS-2000; x=4 for T-BERD/MTS-4000 V2; x=6 for T-BERD/MTS-6000 (with s/n >10,000)/-6000A; for SmartOTDR xK=100

Enterprise-SLM

OTDR Enterprise

FTTH-SLM

Fiber to the Home

FTTA-SLM

Fiber to the Antenna

CABLE-SLM