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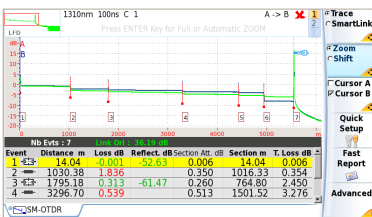
- SLM displays OTDR results in a simple, icon-based map view (SmartLink), providing a clear diagnostic of detected issues

- 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
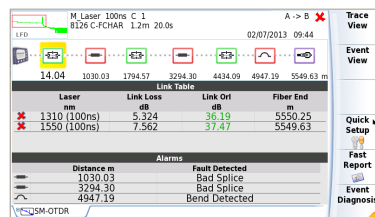
### Benefits

- 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
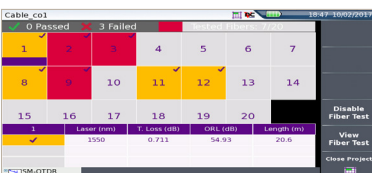
### Key Features

- Directly correlates SLM view results and OTDR traces
- Automatic pass/fail analysis
- Compatible with multimode and single-mode OTDR modules
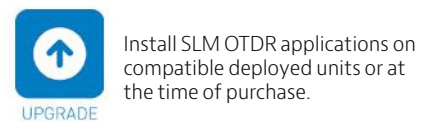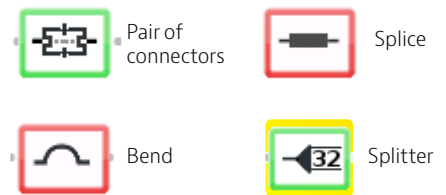- Available for all recent SmartOTDR, T-BERD/MTS-2000, -4000, -6000A platforms

OTDR Trace view

SLM view

Cable view

Pair of connectors

Splice

Bend

Splitter

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

## Enterprise & Data Centers

- Self-setting OTDR with pre-defined SmartConfigTM – 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 & 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
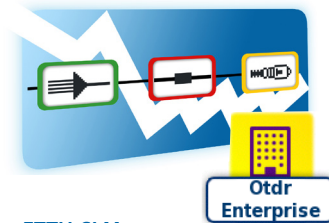
## Cable Commissioning

- 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
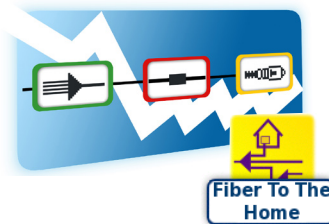
## Ordering Information

| 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; x=6 for T-BERD/MTS-6000 (with s/n >10,000)/-6000A; for SmartOTDR xK=100
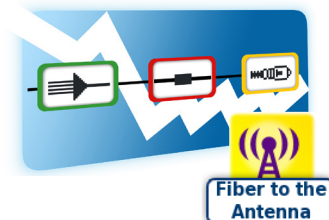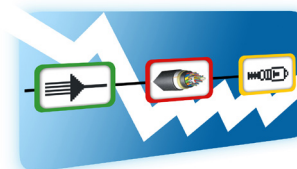
**Enterprise-SLM**



Otdr Enterprise

**FTTH-SLM**



Fiber To The Home

**FTTA-SLM**



Fiber to the Antenna

**CABLE-SLM**





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