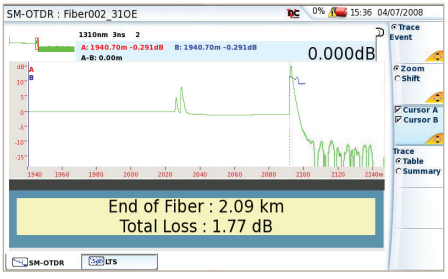
T-BERD®/MTS-4000

Multiple Services Test Platform

All-In-One Fiber, Copper, and Services Test Solution

Access network technologies are evolving quickly to keep pace with consumer demand for high-bandwidth services. Offerings such as high-speed Internet access, high definition TV, and video on demand are pushing network performance requirements to new levels while increasing the complexity for technicians responsible for turning up, trouble shooting, and maintaining services. As a result, service providers must equip technicians with a single, scalable, and easy-to-use test tool that addresses a wide range of test applications—quickly and accurately—under any field conditions. The T-BERD/MTS-4000 is the one tool technicians can rely on because it provides:

- The industry's first single, handheld test platform to combine advanced fiber, copper, and triple-play capabilities.
- A multi-function, scalable solution for several test applications that enables a quick return on investment.
- Multilayer testing to reduce turn-up and installation time.
- Easy-to-use, icon-based graphical user interface (GUI) allows testing with minimal training.



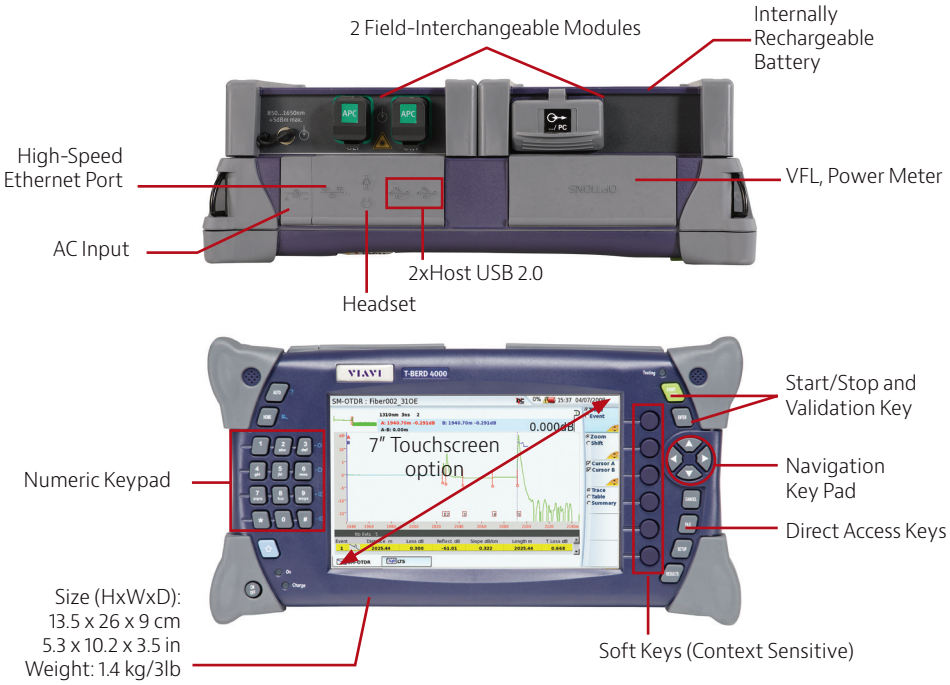
Example of an OTDR trace

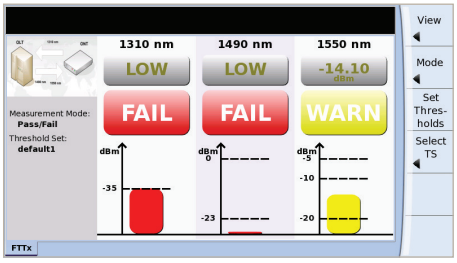
Example of IPTV video stream test

Highlights

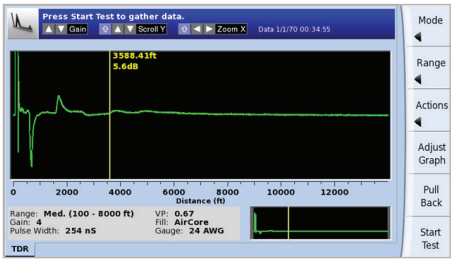
- Cost-effective, modular, and handheld platform
- Large, 7-inch display (touchscreen option)
- Physical to service layer testing
- Fiber features include OTDR, PON meter, video inspection scope, laser source/power meter, and VFL
- Copper measurements include volt/ohm meter, time domain reflectometer (TDR), resistive fault locator, and wideband tones/spectral analysis up to 30 MHz
- VDSL and ADSL testing features utilize Infineon Technologies chipset and licensed option for Dr. DSL® diagnostic solutions from Aware, Inc.
- Triple-play service testing includes IPTV and VoIP measurements from DSL access interfaces or standard Ethernet port
- Automated scripting capability that simplifies testing and reporting

The T-BERD/MTS-4000 is a handheld, rugged, battery-operated test platform that is easy to carry and operate.

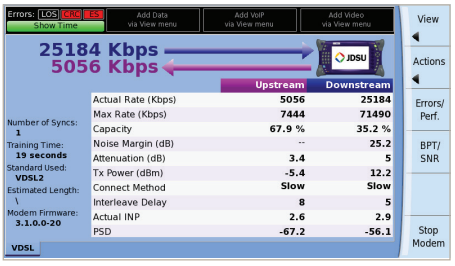




PON meter user interface



Example of a copper trace (TDR)



VDSL test interface

The T-BERD/MTS-4000 offers:

- Large, 7-inch color display (with optional touch screen) that improves viewing under any condition.
- Scalable platform for adding two field-replaceable modules at the same time (no tool required). All functions work simultaneously.
- Flexible connectivity with fast data transfer via 2x USB 2.0, Ethernet up to 1 Gb/s, Wifi, and Bluetooth.
- 1 GB extended memory option.
- Extended battery life using smart Lithium-ion cells.
- Connection check with visual fault locator (VFL), power meter, and video inspection scope options.

The T-BERD/MTS-4000 also provides an ergonomic, intuitive GUI, which adds versatile, user-friendly functions such as:

- Scripting capability for automation, simplification, and automatic data reporting.
- On-board Web browser for Internet access to back-office systems.
- Easy remote control access for remote assistance from any expert user.
- HTML/PDF reader.

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