JDSU

COMMUNICATIONS TEST & MEASUREMENT SOLUTIONS

T-BERD®/MTS-4000 Platform
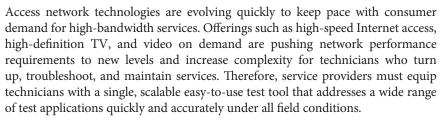## Multiple Services Test Platform

Key Benefits

- **Cost-effective, compact handheld platform**
- **Multilayer (physical to services layer) network solution**
- **Two field-replaceable modules increases scalability**
- **Flexible connectivity for fast data transfer: Two 2.0 USB and up to 1 Gbps Ethernet ports**

Key Features

- Dual-modular handheld platform
- Large 7-inch display (touch screen option)
- Comprehensive connection checker functionality with built-in VFL, power meter, and scope options
- Flexible connectivity including USB, high-speed 1 G Ethernet, WiFi, and Bluetooth interfaces
- Automated test and data reporting capability
- Integrated web browser

Applications

- Test copper and triple play
- Test physical to services layers

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 and increase complexity for technicians who turn up, troubleshoot, and maintain services. Therefore, service providers must equip technicians with a single, scalable easy-to-use test tool that addresses a wide range of test applications quickly and accurately under all field conditions.

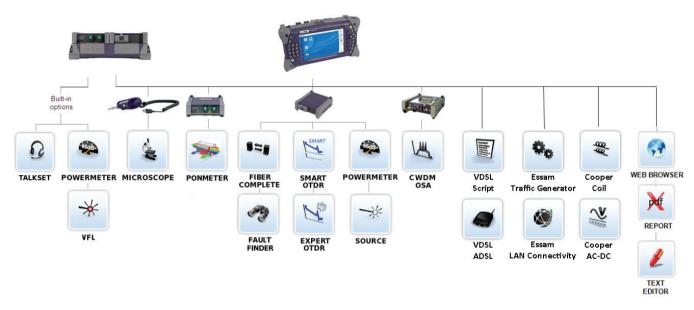The T-BERD/MTS-4000 is the one tool providers and technicians can both rely on, because it provides:

- The industry's first single handheld test platform with advanced fiber, copper, and triple-play testing capabilities.
- A multifunctional, scalable solution with several test applications that enable a quick return on investment.
- Multilayer testing to accelerate turn-up and installation.
- An easy-to-use, icon-based graphical user interface (GUI) for testing with minimal training.

FROST & SULLIVAN

BEST PRACTICES AWARD

2012

GLOBAL FIBER OPTIC TEST EQUIPMENT MARKET SHARE LEADERSHIP AWARD

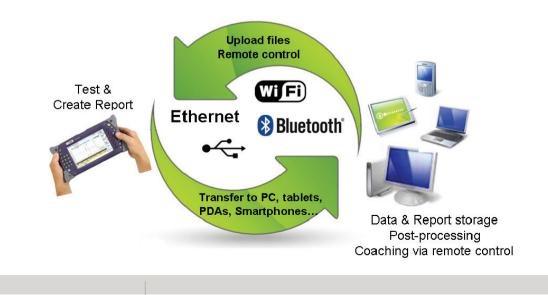**WEBSITE: www.jdsu.com/test**

Test Feature Overview

The T-BERD/MTS-4000 is a highly integrated platform with two module slots, a large 7-inch color screen (with a touch screen option), a high-capacity Lithium ion battery, an optional video inspection scope (through universal serial bus [USB] port), and optional built-in optical test functions, such as a visual fault locator (VFL), power meter, and optional WiFi/Bluetooth interface.

Fiber optics application modules used with the T-BERD/MTS-4000 can also be used with the T-BERD/MTS-2000 and the two products are interoperable
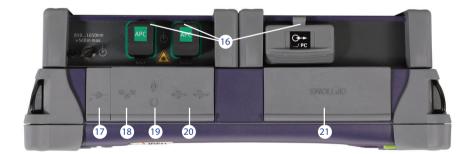
Broadband Power Meter

The T-BERD/MTS-4000 comes with optional built-in power meters so technicians can easily verify signal presence. The large screen T-BERD/MTS-4000 displays power values in large fonts for immediate results interpretation.

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Install and maintain Access/FTTx networks and triple-play services

1. 7-inch high-visibility TFT color screen
2. Home page
3. Numerical keypad
4. On indicator
5. On/off
6. Charge Indicator
7. Soft keys
8. Results page
9. Setup menu home page
10. File menu
11. Cancel
12. Direction & validation keys
13. Start/stop
14. Loud speaker
15. Testing indicator
16. Two interchangeable module fields
17. AC input
18. High-speed Ethernet
19. Headset
20. Two 2.0 USB ports
21. Optical (VFL and power meter) options
22. Battery

Specifications (Typical 25°C)

Technical

Display

TFT color, 7-in, LCD 800 x 480, high visibility for outdoors

Touchscreen,TFT color, 7-in, LCD 800 x 480, high visibility for outdoors

Storage and I/O Interfaces

Internal memory	32MB (1000 test results)
Extended memory (optional)	Minimum 1 GB (optional)
	2x USB2.0, 1x RJ45 Ethernet (up to 1 Gbps)
WiFi	Standard IEEE 802.11 b/g
Bluetooth	Class 2, up to 10 m range
Audio interface	2.5 mm jack connector
Ethernet	10/100/1000 MHz full-half duplex

Power Supply

Battery type	Standard removable Li Ion batteries
AC/DC adapter	Input 100–250 V, 50-60 Hz
	Output 12–15 V DC/3.7 A
Electrical safety	EN 60950 Compliant
Operation time	Up to 11 hours with standard display
	Telcordia GR-196-CORE

Size and Weight

Mainframe with two modules and battery (W x H x D)	260 x 135 x 90 mm
	(10.2 x 5.3 x 3.5 in)
Mainframe only (with battery)	1.4 kg (3 lb)
Mainframe with one module (with battery)	<2 kg (<4.35 lb)

Environmental

Operating temperature range (no option)	−20 to +50°C (−4 to 122°F)
Operating temperature range (all options)	0 to +40°C (32 to 104°F)
Storage temperature range	−20 to +60°C (−4 to 140°F)
Humidity, noncondensing	95%

Base Unit Optical Interfaces (optional)

Power Meter

Power level	+10 to −60 dBm
Calibrated wavelengths	850, 1310, and 1550 nm
Connector type	Universal push/pull (UPP)

Visual Fault Locator (VFL)

Wavelength	635 nm $\pm$15 nm
Output power level	<1 mW
Laser safety	Class 2 laser
Connector type	Universal push/pull (UPP)

Quick Capture Probe Kit (via USB)

Magnification	200X and 400X
Interface	through the USB port
Tips	FC, SC, SC-APC, LC, U25, U25MA, U12

For more information on module specifications, refer to the data sheet for each module

Ordering Information

Base Instrument

Part Number	Description
TB4000, M4000	T-BERD/MTS-4000 Platform with high-visibility color display and battery pack
TB4000T, M4000T	T-BERD/MTS-4000 Platform with high-visibility touchscreen color display and battery pack
40EXTMEM	Extended memory (1 GB)
40VFL	VFL with 2.5 mm UPP
40PM	Optical power meter with UPP
40HPPM	Optical high-power power meter with UPP
40WIFIBLU	WiFi/Bluetooth interface

Accessories

EDFSCOPE5KI	USB 2.0 Digital Video Scope Kit (P5000i), includes 7 tips and soft case
E60LiIon	Additional Li Ion rechargeable battery
E40GLOVE	Glove soft case for T-BERD/MTS-4000 platform
E40SCASE1	Soft case for T-BERD/MTS-2000/4000
E40SMODCASE1	Soft case for small T-BERD/MTS-4000 module
E40LMODCASE1	Soft case for long T-BERD/MTS-4000 module
EHCASE6	T-BERD/MTS-4000 hard carrying case

Test & Measurement Regional Sales