Test Equipment Solutions Datasheet

Test Equipment Solutions Ltd specialise in the second user sale, rental and distribution of quality test & measurement (T&M) equipment. We stock all major equipment types such as spectrum analyzers, signal generators, oscilloscopes, power meters, logic analysers etc from all the major suppliers such as Agilent, Tektronix, Anritsu and Rohde & Schwarz.

We are focused at the professional end of the marketplace, primarily working with customers for whom high performance, quality and service are key, whilst realising the cost savings that second user equipment offers. As such, we fully test & refurbish equipment in our in-house, traceable Lab. Items are supplied with manuals, accessories and typically a full no-quibble 2 year warranty. Our staff have extensive backgrounds in T&M, totalling over 150 years of combined experience, which enables us to deliver industry-leading service and support. We endeavour to be customer focused in every way right down to the detail, such as offering free delivery on sales, covering the cost of warranty returns BOTH ways (plus supplying a loan unit, if available) and supplying a free business tool with every order.

As well as the headline benefit of cost saving, second user offers shorter lead times, higher reliability and multivendor solutions. Rental, of course, is ideal for shorter term needs and offers fast delivery, flexibility, try-before-you-buy, zero capital expenditure, lower risk and off balance sheet accounting. Both second user and rental improve the key business measure of Return On Capital Employed.

We are based near Heathrow Airport in the UK from where we supply test equipment worldwide. Our facility incorporates Sales, Support, Admin, Logistics and our own in-house Lab.

All products supplied by Test Equipment Solutions include:

- No-quibble parts & labour warranty (we provide transport for UK mainland addresses).
- Free loan equipment during warranty repair, if available.
- Full electrical, mechanical and safety refurbishment in our in-house Lab.
- Certificate of Conformance (calibration available on request).
- Manuals and accessories required for normal operation.
- Free insured delivery to your UK mainland address (sales).
- Support from our team of seasoned Test & Measurement engineers.
- ISO9001 quality assurance.

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T-BERD®/MTS-8000 Scalable Multitest Platform
One solution that expands to more than 40 tests

Key Benefits

- Multitest platform to accelerate deployment and maintenance of ultra-high-speed networks

- Increased scalability with more than 40 applications and hundreds of test configurations

- Stay connected wherever you are with 3G, WiFi, Bluetooth, or Ethernet

- Increased efficiency cuts test time by 70 percent

- Seamless workflow with automated test sequences and on-the-go post-processing

Key Features

- Modular test platform

- High-speed PowerPC processor with 100 GB SATA hard disk

- High-visibility touch-screen display

- Automated fiber connector inspection with IEC pass/fail analysis

- Built-in optical options including power meter, VFL, and talk set

- Compatible with T-BERD/MTS-6000 test modules

Applications

- Perform physical layer fiber characterization for high-speed CWDM/DWDM transmission networks

- Activate and commission next-generation transport and datacom services

Keep ahead of the telecommunications technology curve

The JDSU T-BERD/MTS-8000 V2 is the industry's most innovative and versatile test solution for modern and next-generation network deployments.

Built to support current and ultra-high-speed transmission network testing needs, the T-BERD/MTS-8000 V2 embeds the latest state-of-the-art technology for those planning long-term investments and offers simply the best-in-test solution.
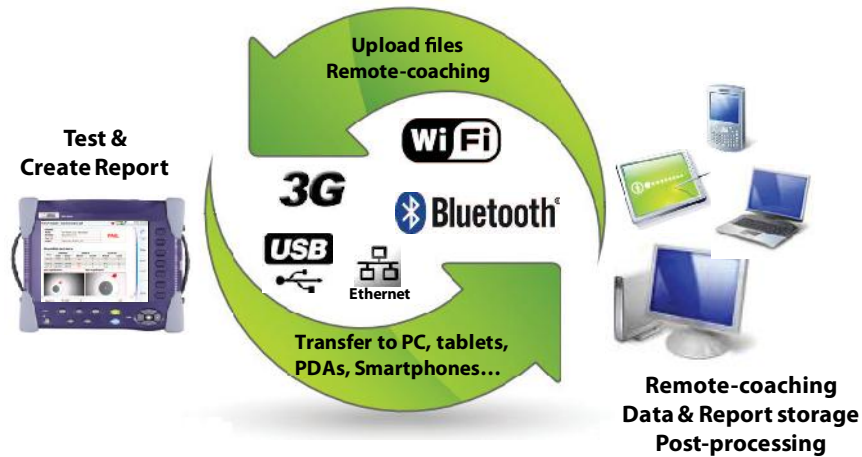
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A full set of applications and utilities optimizes field-testing efficiency

The T-BERD/MTS-8000 V2 empowers technicians with an installation and maintenance platform that uniquely combines physical, optical, and transport/Ethernet testing capabilities.

Stay connected wherever you are

The T-BERD/MTS-8000 V2 integrates various communication capabilities for remote access from anywhere, enabling data and setup uploads/downloads, remote coaching, and report delivery.

Designed for efficiency and connectivity

❻ Home page
❼ File menu
❽ Setup menu
❾ Results page
❿ Loud speaker
⓫ Start/Stop
⓬ Script
⓭ Testing indicator
⓮ Direction and validation keys
⓯ Menu keys
⓰ WiFi option
⓱ Bluetooth option
⓲ Removable hard disk
⓳ AC/DC input
⓴ Optical talk set option
㉑ Optical power meter option
㉒ VFL option
㉓ 1 GE port
㉔ Three USB 2.0 ports
㉕ Mini USB 2.0 ports
㉖ Headset jack

❶ 10.4 inch touch screen
❷ Battery indicator
❸ On indicator
❹ On/Off
❺ Export

Scalable multitest platform meets network requirements

With its stackable design, the T-BERD/MTS 8000 V2 provides the most scalable advanced solution for all of your optical testing needs. It is completely field-upgradeable to address both current and future testing requirements.

Specifications

Platform

Display	10.4-inches TFT color touch screen
	Resolution: 800 x 600
Interfaces	3 x USB 2.0 ports
	1 x mini-USB 2.0 port
	RJ45 LAN 10/100/1000 Mbps
	Built-in Bluetooth (optional)
	Built-in WiFi 802.11 b/g/n (optional)
Internal memory	2 GB (128 MB for storage)
Batteries	Two rechargeable Li-ion (total of 200 W.h)
Power supplies	
Standard	AC/DC adapter, input 100–250 V, 50–60 Hz,
	output 24 VDC, 6.25 A max.,
	Electrical safety: EN60950 compliant
High power	AC/DC adapter, input 100–250 V,
	50–60 Hz, output 21 VDC, 10.5 A max.,
	Electrical safety: EN60950 compliant
Size with battery pack (W x H x D)	326 x 267x 93 mm
	(12.8 x 10.5 x 3.6 in)
Weight with 2 batteries	4.280 kg (9.44 lbs)
Temperature	
Operating	−20 to +50°C (−4 to 122°F)
Storage	−20 to +60°C (−4 to 140°F)
Relative humidity	0 to 95% non condensing

Built-in power meter[1] (optional)

Calibrated wavelength	850, 1310, 1490, 1550, 1625, 1650 nm
Wavelength range	800 to 1650 nm in 1 nm steps
Accuracy[2]	± 0.2 dB
Measurement range[3]	+5 to −50 dBm
Maximum resolution	0.01 dB/0.01 nW
Connector type	Universal push/pull (UPP)

Visual fault locator (VFL) (optional)

Wavelength	650 nm
Emission mode	CW, 1 Hz
Laser class	Class 2 as per standards EN60825-1
	and FDA21 CFR Part 1040.10

Optical talk set (optional)

Dynamic range	45 dB (typical)

1. At 25°C after 20 minutes stabilization time and after zero setting
2. At calibrated wavelength (except 1650 nm)
3. −45 dBm from 800 to 1250 nm

Ordering Information

Part Number	Description
ETB8000E/EM8000E	T-BERD/MTS-8000 V2 Scalable Multitest platform for standard use
	Includes 100 GB hard disk, 2 standard batteries and 150 W standard power supply
ETB8000EHP/EM8000EHP	T-BERD/MTS-8000 V2 Scalable Multitest platform for high-power use
	Includes 100 GB hard disk, 2 high-power batteries, power supply (150, 220 or 300 W to be specified)
ETB8000EBL/EM8000EBL	T-BERD/MTS-8000 V2 Scalable Multitest platform for a-la-carte configuration
E8100	2 plug-in receptacles for optical modules
C8200	Dual-module carrier for MSAM, MSAM v2, OSA-110 modules
E80EPMVFL	Built-in optical power meter and VFL with 2.5 mm UPP connectors
E80ETS	Built-in optical talk set (adapter to be configured)
E80ETSPM	Built-in talk set (adapter to be configured) and optical power meter (2.5 mm UPP connector)
E80ETSPMVFL	Built-in talk set (adapter to be configured), optical power meter and VFL (2.5 mm UPP connectors)
E80EWIFIBLUE	WiFi and Bluetooth options
E80EWIFI	WiFi option
E80EBLUE	Bluetooth option
E80ELIION	Standard Li ion battery
E80ELIIONHP	High-power Li ion battery
E80EHDISK	100 GB SATA hard disk
EDFSCOPE5Ki	USB 2.0 Digital Video Scope Kit (P5000i), including 7 tips and soft case
E80KSTAND	Additional kickstand for multi-module configurations
E80LIGHTER	Cigarette lighter power adapter
E80SCASE2	Soft carrying case handling the platform and a combination of modules of 12 cm/4.75 in depth
E80SCASE3	Soft carrying case handling the platform and a combination of modules of 7 cm/2.5 in
E80HCASE1	Hard carrying case for T-BERD/MTS-8000 platform

Test & Measurement Regional Sales

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