


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

JDS UNIPHASE

JDS Uniphase T-Berd 5800

JDS Uniphase Bit Error Rate Testers (BERT). Channel: 1G/2G, Dynamic Range: Up to 37 dB single-mode.



MODEL

JDS Uniphase T-Berd 5800

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

T-Berd 5800

LISTING

<https://aumictechlabs.com/products/t-berd-5800-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDS Uniphase T-Berd 5800 is a handheld network testing instrument engineered to validate and troubleshoot legacy TDM/PDH networks alongside modern Ethernet, SONET/SDH, Fiber Channel, and OTN deployments. This all-in-one platform supports service lifecycle operations - from installation through maintenance - with automated testing, wirespeed capture/decode, and expert-level diagnostics built into a field-portable form factor. Technical Specifications Ethernet & Data Networks: 10 Mbps to 10 Gbps electrical and optical testing: 10/100/1000 Mbps, 100 Mbps optical, Gigabit Ethernet optical, 10 GE WAN PHY (9.9 Gbps), 10 GE LAN PHY (10.3 Gbps) Carrier Ethernet, converged Ethernet/IP, VLAN tags, Q-in-Q, PBB (MAC-in-MAC), MPLS, and VPLS support Fiber Channel: 1G/2G OTN (Optical Transport Network) testing Fronthaul/Backhaul: CPRI/OBSAI rates up to 9, eCPRI, RRU emulation, RFoCPRI Timing & Synchronization: PTP/1588v2, SyncE, Wander, One Way Delay testing Ethernet backhaul synchronization validation Optical Testing (with optional modules): OTDR: Quad-wavelength (850/1300/1310/1550 nm) and dual-wavelength (850/1300 nm) modules Dynamic Range: Up to 37 dB single-mode, 26 dB multimode

Optical Attenuation Measurement: 1.25 dB to 55 dB display range Integrated light source and power meter accessible via OTDR ports Key Features Enhanced RFC 2544 and SAMComplete (ITU-T Y.1564) service activation and validation Connectivity Fault Management (CFM): IEEE 802.1ag and ITU Y.1731 compliance J-Complete functionality with wirespeed capture/decode to 10 Gbps and automated J-Mentor expert analysis TrueSpeed™ TCP throughput testing (RFC 6349) J-Profiler™ advanced Ethernet testing Packet jitter and frame delay variation (FDV) measurement Burst testing and automated test sequencing Typical Applications Service activation and troubleshooting across multi-technology networks; field maintenance of carrier Ethernet and legacy TDM infrastructure; wireless backhaul validation; fiber link characterization and optical path commissioning; synchronization verification in timing-critical deployments. Compatibility & Integration Compatible with VIAVI fiber test modules including OTDR modules (4100-Series), FiberComplete, fiber microscopes, and optical power meters.

Features & description

From manufacturer datasheet

Features

- Dual-port including simultaneous 10G tests
- RFC 2544 and ITU-T Y.1564 SAMComplete
- RFC 6349 TrueSpeed TCP throughput
- PTP 1588v2, SyncE, 1 PPS / 2 MHz / 10 MHz wander
- Compatible with VIAVI 4100-Series OTDR, FiberComplete, COSA, P5000i, and optical power meters
- Field-replaceable battery with built-in charger

TBERD5800 Characteristics / Specifications

PARAMETER	VALUE
Model	T-BERD 5800
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	Handheld dual 10G network tester
Alias	T-Berd 5800; TB-MTS 5800; MTS-5800; 5801, 5801P, 5802, 5802P, 5812, 5812P
Max Rate Class	dual 10G
Electrical Ports	dual RJ45 10/100/1000 Ethernet
Optical Ports	dual SFP+; 1 and 10G Ethernet LAN/WAN; 10GE eCPRI
SONET SDH	STM-1 to 64, OC-3 to 192
OTN	OTU1, OTU2, OTU1e, OTU2e
Fibre Channel	1/2/4/8/10/16 G FC
CPRI OBSAI	614 Mbps to 12.2 Gbps
Size Max 10G	17.78 × 24.13 × 7.62 cm (7 × 9.5 × 3 in)
Weight Max 10G	1.9 kg (4.2 lb)
Boot To Operate	less than 2 minutes
Battery 10G Test	minimum 3 hours
Operating Time	2 to 5 hours depending on application
Charge Time	approximately 7 hours from empty
Unit Power Input	12 VDC, 60 W max
Power Supply Input	100 to 240 VAC, 50/60 Hz auto-sensing
Power Supply Output	12 VDC, 5 A max
Operating Temperature	0 C to +50 C all options
Storage Humidity	10 to 95 percent non-condensing
Operating Humidity	10 to 90 percent non-condensing
I/O Interfaces	VT100 RJ-45, 2 x USB, RJ-45 Ethernet/IP, serial, optional WiFi, optional Bluetooth

PARAMETER	VALUE
SyncE Frequency Offset	plus/minus 100 ppm in 1 or 10 ppm increments
Recovered Timing Accuracy	4.6 ppm
Capture Buffer	256 MB per port
TCP Sessions RFC 63	up to 64 stateful sessions
TCP Window Granularity	1 KB
Safety EMC	CE Class A; FCC part 15 Class AVibration: IEC 68-2-6 and MIL-PRF-28800F Class 2
Related 100G Platform	T-BERD/MTS-5800-100G (different size, 19 VDC class)
Humidity	10 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

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Related 100G Platform	T-BERD/MTS-5800-100G (different size, 19 VDC class) Notes Specs from the VIAVI T-BERD/MTS-5800 specifications datasheet (10G handheld). T-BERD 5800 and MTS-5800 are the same 10G platform under JDSU/VIAVI branding. Installed interface options determine which protocol rows apply. Do not apply 5800-100G QSFP/CFP4 100GE rows to this 10G chassis.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Related 100G Platform	T-BERD/MTS-5800-100G (different size, 19 VDC class)

Notes

Specs from the VIAVI T-BERD/MTS-5800 specifications datasheet (10G handheld). T-BERD 5800 and MTS-5800 are the same 10G platform under JDSU/VIAVI branding. Installed interface options determine which protocol rows apply. Do not apply 5800-100G QSFP/CFP4 100GE rows to this 10G chassis.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.