MTX150
Multi-service Installation & Maintenance Test Set

Ethernet
Fibre Channel
OTN
SDH/SONET
PDH/DSn
Datacom
IEEE C37.94™

VeEX

The MTX150 is a fully-integrated and self-contained multi-service test solution for OTN, SDH, SONET, PDH, DSn, Ethernet, SyncE, Mobile Backhaul, and Fibre Channel (SAN). This all-in-one, rugged and ultra-portable field hand-held test set can be configured with interfaces and technologies required by field technicians to install, verify, maintain and troubleshoot Transport, Metro, Access communication links and services, including legacy applications.

Platform Highlights

- Optimized for field technicians installing, verifying, troubleshooting and maintaining Transport, Carrier Ethernet, Metro, Storage Area and legacy Networks, as well as fiber, backhaul, microwave and datacom links
- Robust, handheld chassis packed with powerful and flexible features for demanding environments and test conditions
- Flexible hardware configuration to meet each application's requirements and reduce CAPEX
- Field upgradeable licenses to optimize OPEX
- Full support for legacy PDH/DSn interfaces with standard connectors (no adapters required)
- Test set connectivity via micro-B USB and optional built-in Wi-Fi and Bluetooth® wireless interfaces; USB-A and 10/100Base-T are also available via OTG cables
- Remote access and control via Web Browser, VNC® client and ReVeal PC software. Compatible with VeEX EZ Remote collaboration services.
- User defined test profiles and thresholds enable fast, efficient and consistent turn-up of services
- Fast and efficient test result transfer to USB memory stick
- Li-Polymer battery pack for extended field testing autonomy

Key Features

- Ethernet, Fibre Channel, OTN, SDH/SONET, PDH/DSn, C37.94, Datacom and G.703 64K Codirectional Testing
- SFP Optical Interface for 100/1000Base-X, 4/2/1GFC, OTU1, STM16/4/1, STS48/12/3/1, and C37.94
- RJ45 for 10/100/1000Base-T
- BNC (75Ω unbalanced) for E1, E2, E3, E4, DS1, DS3, STM1, STM0, STS1 and STS3
- RJ48 (120Ω) or Bantam (100Ω) for DS1, E1 and G.703 64k Codirectional
- Datacom interface (DVI) for RS232 async, RS232/V.24 sync, X.21, V.35 and RS449/ V.36 (422/423), with DTE, DCE and Monitor modes
- VoIP and ISDN PRI call testing

Ethernet
- Throughput, BERT, IPv4/IPv6, Loopbacks, NetWiz, Ping, trace route, Scan, L2CP Transparency, Errors, Alarms, Events, Delay, Test Profile Auto Scripting/Sequencer
- RFC2544 Throughput, latency, frame loss and back to back tests
- V-SAM test suite compliant with ITU-T Y.1564 standard
- Q-in-Q (VLAN stacking), MPLS, MPLS-TP, PBB, and PPPoE support
- 8 Streams, 3 VLAN, 3 MPLS, TCP/UDP
- Layer 4+ test suite: V-TEST (speed test), V-FTP, RFC6349 V-PERF upload & download tests
- SyncE with ESMC/SSM and Wander Measurement