



VePAL TX300e

Portable SDH/Ethernet Test Set

Next Generation Transport, Metro and Carrier Ethernet Testing

VeEX™ VePAL TX300e is the industry's smallest portable test solution for OTN/SDH, PDH and Ethernet/Metro Transport and Core Networks carrying data, voice and video.

Platform Highlights

- Intuitive presentation of measurements with test graphics
- High resolution color touch-screen viewable in any lighting conditions
- Robust, handheld chassis packed with powerful and flexible features for demanding environments and test conditions
- Optimized for field engineers or technicians installing and maintaining SDH networks transporting legacy and next generation Ethernet services
- Ethernet connections for back office applications, workforce management and Triple Play service verification
- 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 or FTP upload
- Maintain instrument software, manage test configurations, process measurement results and generate customer test reports using included ReVeal™ PC software
- Extend field testing time using interchangeable Lilon battery pack/s

Key Features

OTN/SDH/PDH

- Optical SDH testing for 155Mb/s, 622Mb/s, 2.5Gb/s, 10Gb/s
- OTN testing at 2.7Gb/s, 10.7Gb/s; Optional 11.05Gb/s, 11.09Gb/s
- PDH testing at E1, E3 bit rates; DS1, DS3 and E4 (Optional)
- Dual E1 Receivers for bi-directional monitoring
- Non-intrusive Pulse Mask Analysis at E1, E3 and DS1, DS3 rates
- Optical Power, Electrical Level and Frequency measurements
- Concatenated Payloads
- Path Trace and Pointer Generation and Analysis
- Automatic Protection Switching/Service Disruption testing
- Round Trip Delay on all interfaces and payload mappings
- Transmit Frequency Offset to stress clock recovery circuits
- Overhead Monitoring and Byte decoding
- Tandem Connection Monitoring

Ethernet/Fibre Channel (optional)

- 10GigE LAN and WAN testing
- Single 10 GbE LAN/WAN XFP port, Dual 1000Base-X SFP ports, Dual 10/100/1000T RJ45 ports, and Single 100Base-T to 100Base-FX (Media converter)
- 1G/2G/4G/10G Fibre Channel support for Storage Area Networks
- Q-in-Q (VLAN stacking) and multiple MPLS tag support
- Throughput, latency, frame loss, and back-to-back measurements per industry-standard RFC2544 tests
- BER testing at Layer 1, Layer 2, Layer 3 and Layer 4
- Multiple stream traffic generation and analysis for end-to-end QoS verification of multiple services