



# VePAL TX150E+

## Handheld SDH/PDH Test Set

### SDH network testing simplified

VeEX™ VePAL TX150E+ is a next generation test solution for SDH/PDH networks transporting legacy and next generation services.



## Platform Highlights

- Intuitive presentation of measurements with test graphics
- High resolution color touch-screen viewable in any lighting conditions fitted with protective cover
- 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 port and connection 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
- USB memory stick support and FTP upload capability for test result storage and file transfer respectively
- 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
- Supports advanced IP testing; Ping, Trace route, ARP Wiz, IPTV, Web browser, and FTP upload/download via Ethernet or USB port where applicable
- Perform remote testing and monitoring using the remote control option via standard Ethernet interface

## Key Features

- Optical SDH/SONET testing for STM-0/1/4/16; also supports STM-0/1E Electrical
- PDH testing at E1, E2, E3 bit rates; DS1, DS3, E4 Optional
- Balanced (120Ω) and Unbalanced (75Ω) interfaces for E1
- Dual E1, DS1 and DS3 Rx BERT
- Full Rate E1, DS1, Fractional N/M x 64kbps or 56kbps testing
- PDH analysis with Sa bit generation
- Non-intrusive Pulse Mask Analysis at E1, E3, DS1, DS3 bit rates
- Flexible wavelength/bit rate options using industry standard SFPs conforming to the Multi Source Agreement (MSA)
- Optical Power, Level and Frequency measurements
- Auto Configuration of network type, bit rate, line coding, framing, mapping and test pattern
- Payload Mapping according to ITU-T G.707 recommendations
- Concatenated Payloads
- Bit Error and Performance Analysis per ITU standards
- Error and Alarm Generation and Analysis
- Path Trace Generation and Analysis
- Pointer Generation and Analysis
- Automatic Protection Switching/Service Disruption testing
- Histogram and Event analysis for errors and alarms
- Round Trip Delay on all interfaces and payload mappings
- Section and Path Overhead Monitoring, Byte Decoding
- Tandem Connection Monitoring
- Jitter analysis at E1/DS1/E3/DS3 and STM-10 (OC-3)