

**CX150-D3+**  
**CX180-D3+**  
**DOCSIS 3.0**  
**CATV Analyzer**

**NEW**

**VeEX**

# VePAL CATV Analyzers

**CX100+**  
**CX110+**  
**CX120+**

**CX150+**  
**CX180+**

**CX150-D3+**  
**CX180-D3+**



## CATV and DOCSIS network testing simplified

VeEX™ VePAL CATV analyzers are next generation test solutions designed for analog and digital cable TV networks supporting VoIP and Internet service.

## 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 CATV networks enabling triple play services
- Ethernet port and connection for back office applications, workforce management and triple play service verification
- USB memory stick, Bluetooth adaptor, 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. Greater battery autonomy provided in standby mode
- Supports advanced IP testing; Ping, trace route, ARP Wiz, VoIP, IPTV, WiFi, 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
- NetWiz cable diagnosis with network statistics\*
- VoIP call emulation and MOS performance analysis\*
- WiFi Wiz site survey with Internet and VoIP check\*

## Key Features

- Frequency analysis from 5 to 1000 MHz
- Supports Annex A and B signal formats
- Comprehensive SLM features including single channel measurement, system scan, tilt, and installation check
- Measure power level of NTSC, PAL and SECAM video signals
- Carrier-to-Noise (C/N); Adjacent Channel measurement ratio
- MER and Pre/Post BER measurements of QAM carriers with Constellation diagram and Histogram
- Forward and Reverse path ingress scan to detect noise and/or CSO/CTB interference
- Reverse Path QAM 16/64/128 MER, Pre/Post BER measurement with Constellation diagram (CX180+)\*
- Equalized/unequalized MER and BER measurements (CX180+)
- DOCSIS 2.0/EuroDOCSIS 2.0 modem emulation with USG capability (CX150+/optional on CX180+)
- DOCSIS 3.0/EuroDOCSIS 3.0 modem emulation (CX150-D3+/optional on CX180-D3+)
- Cable Modem Upgrading check (CX110+)
- Upstream Signal Generator (USG) (CX150+/optional on CX180+)
- Upstream QAM 16/64/128, CW, QPSK signal generation with FEC (CX120+/CX180+)\*
- RP Balancing\* for loopback testing (with CX120+/CX150+/CX180+)
- Home Installation Process\*

\*Optional

**Cable Expert**