



## CX180R

### Return Path Monitoring System

#### All-in-One Return Path Solution

- Return path ingress monitoring
- Return path spectrum analysis
- Return path MER/BER measurement
- Return path sweep
- Return path balancing

### Platform Highlights

- Low system entry cost
- Space efficient 1U rackmount with built-in matrix switch
- Factory calibration - eliminates unexpected insertion loss introduced by external matrix switches
- Flexible distributed architecture for easy expansion, increased reliability, and reduced system down time
- Secured IP connection for access from any location with Internet connection via remote terminals or VeEX portable test sets
- Three independent test resources for non-blocking monitor scan and two on-demand tests.
- Interfaces with VeEX portable test sets to enable Sweep, Ingress and Digital Signal measurements for complete single person Return Path troubleshooting and maintenance

### Key Features

- 5 to 65MHz Frequency range analysis
- Adjustable RBW at 125kHz, 330kHz, 1MHz that captures fast and low level transient ingress
- Fast spectrum analysis to capture bursty upstream cable modem signals and noise spikes
- Advanced QAM analysis supports QAM-16/64/128 upstream signal formats
- Return Path QAM measures MER, pre/post BER analysis, and display of Constellation diagram
- Return Path Sweep and Balancing with VeEX portable test sets
- Advanced Master/Controller software with 3D graphics for ingress analysis
- Expandable Server software for archiving return path measurements (for up to 30 days) for post review and analysis
- User programmable alarm thresholds to generate alarm tickets by email
- Supports 4 different user authority levels with over 140 users