The AT2500RQvPlus is the industry's most complete spectrum analyzer, combining superior QAM analysis and best in class analog measurement capability. The enhanced AT-Web automates both the analog and digital proof-of-performance tests, saving time, making tests consistent and providing excellent documentation.

Today's broadband network technicians face the challenge of keeping the soon to be "all digital cable plant" operating at peak performance at all times. With its enhanced QAM performance, the AT2500RQvPlus allows technicians to quickly perform sophisticated tests and get accurate results at higher MER levels, even on those difficult Annex A QAMs. The Sunrise Telecom AT2500RQvPlus is a lightweight, full featured 1.5 GHz spectrum analyzer built to withstand the rigors of field use and to perform equally as well in today's sophisticated headend environments.

**What is NEW!**
- 43 dB MER range
- One button analog and digital POP (proof-of-performance) tests
- realPOP data management and Report Generator
- Remote operation from any standard web browser

**Features**
- Superior QAM demodulation capability and excellent BER performance, featuring MER capability up to 43 dB
- AT2500 AT-Web offers one-button analog and digital proof-of-performance as well as many other features, including remote operation and switch control, all via a simple web connection
- QAM analysis includes constellation, statistics, group delay, frequency response and impairment analysis for Annex A, B and C signals
- 1.5 GHz high sensitivity spectrum analyzer with built-in automatic filter for increased dynamic range
- Automatic Filtering and pre-Amp provides exceptional dynamic range for analog and digital measurements, even on tilted test points.
- Complete set of CATV measurements including CCN, CSO, CTB, ICR, DOM, Hum and carrier frequency
- Multiple trace display with detector selection and enhanced markers for added flexibility
- Exclusive HUM measurements on Digital QAM signals.

**Benefits**
- Performs QAM detailed measurements on Annex B & C QAM signals with one button testing on a remote IP connection
- Provides Headend and Hub testing with 43dB MER capabilities
- Detects QAM RF signal impairments before they turn into customer complaints
- Integrated analog and digital measurements, both local and remote, in one analyzer
- Isolates difficult-to-locate problems using comprehensive QAM Impairment Analysis
Applications

• Use any one of several modes for troubleshooting your “all digital network”, including Digital Power, Constellation display, Statistic (stats), Equalizer, Frequency Response, Group Delay, MER, EVM, ENM and an all inclusive QAM Impairment Analysis mode for 64 and 256 QAM. This unique set of measurements helps you quickly analyze and repair difficult digital problems with ease.

• Export your remote digital measurements to an easily managed standard CSV file

• In addition to Digital Proof of Performance, the AT2500RQv helps you perform your analog proof of performance testing in a minimum amount of time. For example, MER, BER, EVM, ENM, Phase Noise, Group Delay and Reflection measurements on a specific channel are performed with the push of one button.

• Troubleshoot upstream or downstream impairments with one of the best CATV spectrum analyzers on the market. The AT2500RQv is a full featured spectrum analyzer focused on the needs of the CATV industry. With its wide frequency control (0 to 1.5 GHz), multiple RBW setting (10, 30, 300 and 1000 kHz), multiple VBW (10, 100 and 1000 kHz) and high dynamic range (70 dB), the AT2500 is able to tackle any RF problem in your HFC network.

• Switch inputs instantly via WebRemote with an AT160x RF switch, in order to view any impairment on any node connected to the switch bank or simply use the AT2500RQv in conjunction with the AT160x switches to create and view head-end and hub test points remotely.

Standard Accessories

Carrying Case
User Manual
WinCom II data management software
Power Supply 16V, 4A
Null Modem Serial Cable for PC to AT2500RQ connection
Calibration Certificate

Ordering Information

AT2500RQPlus ................. 1.5 GHz Portable QAM/CATV/Spectrum Analyzer - QAM 64/256, Annex B & C digital measurement w/ QIA impairment analysis, WebRemote option standard, CATV pack, TDM measurement, internal band select filter, precision frequency counter, baseband video output and WinCom II software, battery charger, protective carrying case, and user manual.

AT2500RQvPlus ............... 1.5 GHz CATV/QAM/Spectrum Analyzer with Video Demod, CATV pack, TDM measurement, QAM 64/256, Annex B&C measurement with QIA impairment analysis, video measurement option, internal band select filter, precision frequency counter, baseband video output and WinCom II software, battery charger, protective carrying case, and user manual.

Options

ATQ6-8 ..................... 64/256 QAM RQ + Euro/Annex A/B/C, Dual 6-8 MHz bandwidth (Required for Annex A)

AT2Q-ASI ..................... MPEG Transport stream output, ASI formatted, BNC connector

realPOP ...................... 1 year License to access realPOP Proof-of-Performance Report Generator Web Application. License for one administrator and up to 5 technicians. Administrator manages application and generates reports. Techs may upload, download and view test results. Reports include: headend, plant and 24 hours tests collected by AT2500 and CM series analyzers. Accessed via the web - no software to install.

Upgrades are available for some older models to add the AT-Web Option and to extend the MER range to 43dB. Contact your Sales Rep for details.

Physical Properties

Size: ................. 304.8 mm x 177.8 mm x 355.6 mm
(12”W × 7”H × 14”D)

Weight: ............. 8.6 Kg (19.6 pounds) minimum with battery

Display type: ...... TF T Active Matrix Color LCD

Display size: ...... 162.5 mm (6.4 inches)