

Signal Monitoring Applications

- Outage or degradation detection
- Alarm notification
- Proof of performance

Possible Switch Configurations

- Primary to Backup
- Internal input multiplexing
- Internal output selection
- Internal CW pilot activation

Installation Locations

- Cable television headends / hubs
- Broadcast Stations
- Institutional, commercial and multi-dwellings
- Satellite networks

Monitor remotely via SNMP or web browser

RFSD-2XA

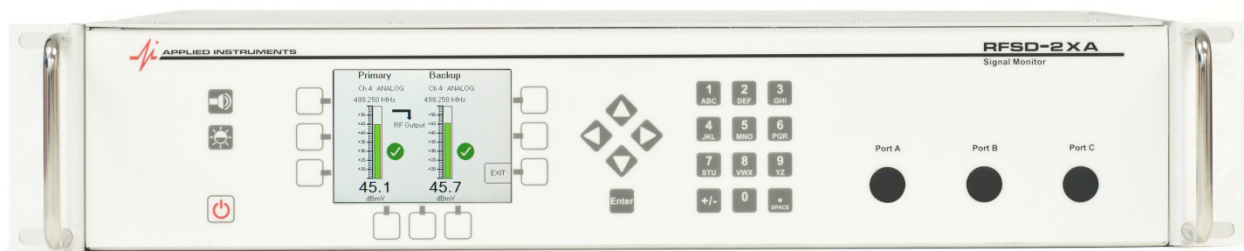
RF Signal Monitor

Achieve system reliability using the RFSD-2XA to monitor your RF signal feeds. Configurable to work with multiple frequency bands and several analog and digital signal modulation types, for CATV, UHF Terrestrial Over-The-Air, and Satellite applications.

The RFSD-2XA utilizes new versatile VTP (Variable Tuning Platform) technology to satisfy today's monitoring needs and those in the future. Monitor single or multiple channels, on primary and backup signal feeds.

The RFSD-2XA detects complete signal outage, or degrading amplitude/quality parameters. Signal thresholds and alarm settings are easily programmed. Order with switches to fit your application needs.

"Reliability through Simplicity"



FRONT



REAR

RFSD-2XA

with XA-CA-01 module(s)

System Reliability RF Signal Monitor

Digital and Analog Off-Air / CATV

GENERAL FEATURES

- Monitors digital and analog channel signals' level and quality
- Real-time measurement display
- User-defined level and quality thresholds
- Alarm notification via SNMP, dry contacts, and front panel
- Friendly user interface
- USB interface for firmware updates & data transfer
- Store measurements for Proof-of-Performance reporting
- Easily create new custom channel plans or use standard base plans
- Supplies Pre-Amp / LNA power
- High signal sensitivity
- Remote monitoring via SNMP or web browser

PHYSICAL FEATURES

- Easy to replace type F-female barrel connectors (BNC available)
- 2RU Rack-mount aluminum enclosure
- Color graphic LCD screen
- Numeric keypad with arrow key controls

MONITORING & TEST MODE MEASUREMENTS

- Digital and Analog Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph
- Analog Delta Audio Carrier
- Analog Signal Quality (C/N)
- Demodulated Digital Signal Quality (MER)
- Tilt
- Current draw of off-air antenna pre-amp / LNA

TEST MODE MEASUREMENTS

- Spectrum Screen (frequency on x-axis, amplitude on y-axis)
- Constellation Screen (I and Q demodulator values)
- BER (Bit Error Rate), pre-FEC and post-FEC

SPECIFICATIONS

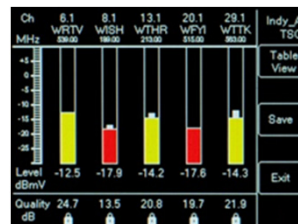
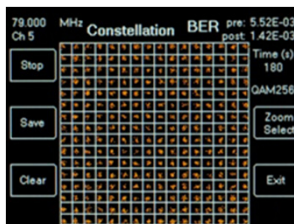
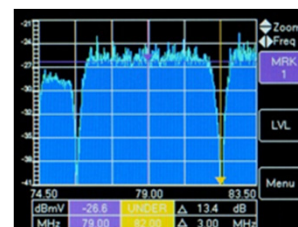
Frequency Range.....5-1000 MHz
Tuning Resolution.....Standard channel spacing or 125 kHz increments
Signal Level Range.....-40 to +60 dBmV
RF Level Accuracy.....+/- 1.5 dB typical
Compatible Analog Signal Formats.....NTSC, PAL, SECAM
Compatible Digital Signal Lock Formats.....8VSB (ATSC A/53)
64QAM, 256QAM (ITU-T J.83, Annex B)
Nominal Impedance.....75 Ohm
LNA/Pre-Amp Power.....13,18 VDC
RF ConnectorType F-female standard, BNC optional
Power Supply100 to 240VAC, 50/60 Hz standard,
12VDC optional
Computer Interface.....USB and Ethernet
Size/Weight.....3.5"H (2RU) x 19"W / 12 lbs.
(8.9cm x 48 cm / 4.5 kg)
Warranty.....12 month limited
Specifications subject to change without notice.

STANDARD ACCESSORIES

- AC line cord
- PC data transfer cable (USB)
- Quick Start Guide

OPTIONS

- Primary / Backup output switching
- Multiplexed inputs
- Multiple tuners for different input feeds
- Front panel test ports, -20 dB
- Built-in switches for redundant feeds or optional CW pilots insertion
- CW pilots to maintain stable network AGC (User must specify pilot frequency at time of order)



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