XR-CA-01

Tuner Module for use with XR-3 Modular Test Instrument base unit

Digital and Analog CATV / VHF / UHF Off-Air Signal Level Meter Module

GENERAL FEATURES

- Works with the XR-3 Modular Test Instrument base unit
- Friendly user interface
- Tune by frequency or tune by channel number
- Field replaceable type F-female barrel connector
- Fast system boot-up time in less than 5 seconds
- Compatible with digital and analog signals
- Store measurements for Proof-of-Performance
- Programmable Pass/Fail limit scan for all channels
- Quick scan of all channels
- Easily create new custom channel plans or use standard base plans
- Spectrum Screen (frequency on x-axis, amplitude on y-axis)
- Constellation Screen (I and Q demodulator values)

VHF / UHF OFF-AIR FEATURES

- Supplies Pre-Amp / LNA power
- Simultaneously displays signal level and quality of multiple channels
- Displays measurements for analog and digital signals
- High signal sensitivity assures Off-Air antenna alignment optimization
- Manually tunes to custom channels
- Audible tone for signal lock and peak

CATV FEATURES

- Compatible with analog and digital CATV signals
- Frequency range from 5 MHz to 1 GHz
- Tilt measurement

MMDS FEATURES

- Powers frequency block down-converters

MEASUREMENTS

- Digital and Analog Signal Level (dBm, dBmV, or dBµV) with present and peak bar graph
- Analog Signal Quality (C/N)
- Digital Signal Quality (MER & BER)
- Locks on 8VSB (ATSC A/53) UHF digital Off-Air signals
- Locks on 64QAM and 256QAM (ITU-T J.83, Annex B) CATV signals
- Tilt
- Analog Video and Audio Carrier Measurements (NTSC, PAL, SECAM)
- Current draw of off-air antenna pre-amp / LNA

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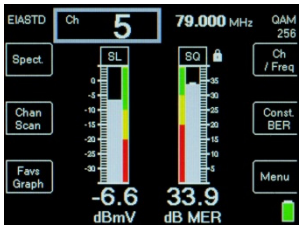
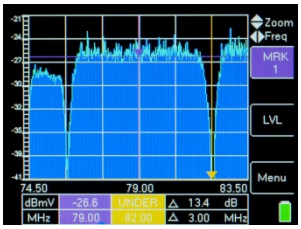
SPECIFICATIONS

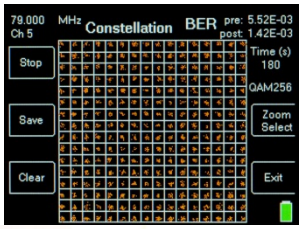
Frequency Range.....5-1000 MHz
Tuning Resolution.....Standard channel spacing or 125 kHz increments
Signal Level Range.....-40 to +60 dBmV
RF Level Accuracy.....+/- 1.5 dB typical
Compatible Analog Signal Formats.....NTSC, PAL, SECAM
Compatible Digital Signal Lock Formats.....8VSB (ATSC A/53)
64QAM, 256QAM (ITU-T J.83, Annex B)
Nominal Impedance.....75 Ohm
LNA/Pre-Amp Power.....5,13,18 VDC
RF Connector .....Type F-female barrel, field replaceable
Warranty.....12 month limited
Specifications subject to change without notice.

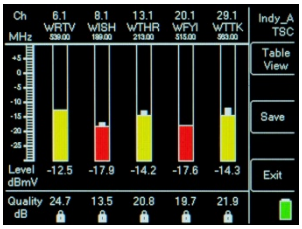
STANDARD ACCESSORIES

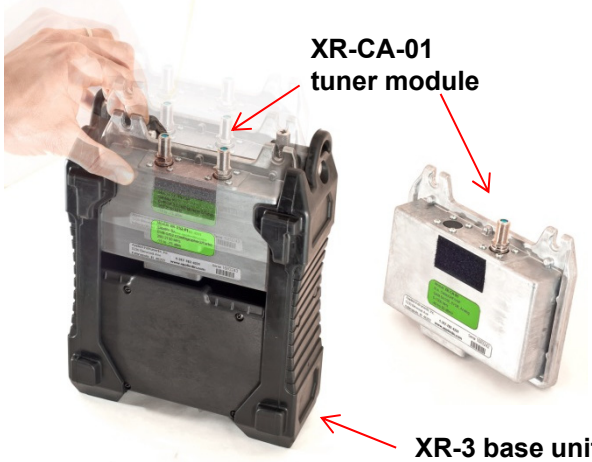
- Quick Start Guide











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