

XR-TS2-01

TUNER MODULE FOR USE WITH XR-3 MODULAR TEST INSTRUMENT
BASE UNIT

BENEFITS

- Compatible with XR-3 Modular Test Instrument
- Friendly user interface
- Satellite ID by "align-to-lock" or "automatic scan"
- ID multi-lock algorithm eliminates false positives
- Powers LNBS and multi-switches
- Use for L, C, X, Ku, or Ka band applications
- High sensitivity assures alignment optimization
- Geo-sensitive "Field Guide" software database stores all compatible satellites and transponders per global region
- Program and store up to 256 custom transponders
- Controls multi-LNBS/switches with 22kHz DiSEqC tone
- Manually tune to custom transponders using front panel keypad
- Audible tone for signal lock or peak
- Store measurements for Proof-of-performance reporting
- "Limit Scan" Pass/Fail for key transponders
- Displays antenna settings (AZ / EL / Skew) based on user's postal code or latitude and longitude coordinates
- Field replaceable type F barrel connectors
- Fast system boot-up time in less than 5 seconds

SATELLITE SIGNAL LEVEL METER MODULE

For North American DBS & Broadcast TVRO

XR-TS2-01

TUNER MODULE



XR-3 base unit

XR-TS2-01

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MEASUREMENTS

- Demodulates DVB-S, DSS / DIRECTV Legacy, Digicipher 2, Turbo FEC, & DVB-S2 (QPSK & 8PSK, CCM) signals
- Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph
- Signal Quality (IRD, C/N, Eb/No, or Es/No)
- BER (Pre FEC / Viterbi & Post FEC / Reed Solomon) for DVB-S, DSS / DIRECTV Legacy, and Digicipher 2 signals
- Bad blocks, corrected blocks, and frame errors for DVB-S2 and Turbo FEC signals
- Voltage output of IRD / IDU (29V max)
- Current draw of LNB
- LNB frequency deviation (LNB LO drift estimate)
- Symbol Rate error
- Spectrum Screen (frequency on x-axis, amplitude on y-axis)
 - Constellation Screen (I and Q demodulator values)

STANDARD ACCESSORIES

- Quick Start Guide

SPECIFICATIONS

- **Frequency Range**
 - 250-2150 MHz
- **Tuning Resolution**
 - 4 kHz
- **Signal Level Range**
 - -75 to -15 dBm (+34 to +94 dBμV)
- **RF Level Accuracy**
 - +/- 2 dB typical, 3 dB max
- **Signal Lock Formats**
 - DVB-S (QPSK), Digicipher 2 (QPSK & OQPSK), DVB-S2 (QPSK & 8PSK, CCM), DSS / DIRECTV Legacy (QPSK), Turbo (QPSK & 8PSK)
- **Impedance**
 - 75 Ohm
- **LNB Power**
 - 13VDC for V/R, 18VDC for H/L, 21VDC for DIRECTV SWiM, 29VDC
- **Switch Control**
 - 22 kHz, DiSEqC
- **RF Connector**
 - Type F barrel, field replaceable
- **Warranty**
 - 12 month limited
 - Specifications are subject to change without notice.

