

# XR-S2XACM-01

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



## VSAT WITH DVB S2X MODULATION

### 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 VSAT, Broadcast TVRO, & International DTH



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BASE UNIT

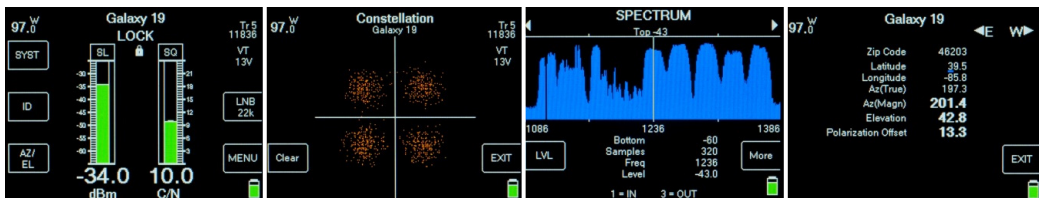


## MEASUREMENTS

- Demodulates DVB-S, DSS / DIRECTV Legacy, DVB-S2 & DVB-S2X (CCM, ACM, & VCM) signals
- Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph
- Signal Quality (IRD, C/N, Eb/No, or Es/No)
- Pre-FEC & Post-FEC BER (Bit Error Rate)
- PER (Packet Error Rate)
- 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)

## SPECIFICATIONS

- **Frequency Range**
  - 950-2150 MHz
- **Tuning Resolution**
  - 4 kHz
- **Signal Level Range**
  - -65 to -25 dBm (+44 to +84 dBμV)
- **RF Level Accuracy**
  - +/- 2 dB typical, 3 dB max
- **Signal Lock Formats**
  - DVB-S (QPSK), DVB-S2 & DVB-S2X (QPSK, 8PSK, 16APSK, 32APSK, CCM, VCM, ACM), DSS / DIRECTV Legacy (QPSK)
- **Impedance**
  - 75 Ohm
- **LNB Power**
  - 13VDC for V/R, 18VDC for H/L 21VDC for DIRECTV SWiM LNBs, 29VDC
- **Switch Control**
  - 22 kHz, DiSEqK
- **RF Connector**
  - F barrel, field replaceable
- **Warranty**
  - 12 month limited
    - *Specifications are subject to change without notice.*



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