

# XR-S2ACM-01

## SATELLITE SIGNAL LEVEL METER MODULE, FOR VSAT, BROADCAST TVRO, & INTERNATIONAL DTH

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



### FEATURES

- 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

### MEASUREMENTS

- Demodulates DVB-S, DSS / DIRECTV Legacy, & DVB-S2 (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)

### STANDARD ACCESSORIES

- Quick Start Guide

### SPECIFICATIONS

Frequency Range.....900-2150 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), DVB-S2 (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, DiSEqC  
 RF Connector .....F barrel, field replaceable  
 Warranty.....12 month limited  
*Specifications are subject to change without notice.*

