

SATFINDER PRO Satellite Signal Level Meter



SATFINDER PRO

The SatFinder Pro is a new innovation and improvement from the XR-3W+ Satellite Meter. With the elimination of swappable modules, this all-in-one satellite meter can perform dish alignment, UHF off-air antenna pointing, and cable TV MER measurements.



SPECIFICATIONS

- **Battery**
 - TBD
- **USB-C charger**
 - 5 ft USB-C Cable Included
- **Computer Interface**
 - USB (Ethernet optional)
- **Enclosure and User Interface**
 - Meter enclosure – 230mm x 147 mm x 49.1 mm
 - Protective carrying bag – 230mm x 147 mm x 49.1 mm
 - 5 inch digital LCD
 - Numerical keypad
- **Operating Temp Range**
 - -20°F to 120°F (-29°C to 49°C)
- **Battery Charge Temp Range**
 - 41°F to 100°F (5°C to 38°C)
- **Warranty**
 - 12 month limited

STANDARD ACCESSORIES

- Padded should carrying case
- USB charging cable and block
- Smart battery

BENEFITS

- Durable case with rubber shock guards
- Protection against water ingress
- Color graphic LCD screen, sunlight readable, and crisp display
- Power by RRC Power Solutions Smart Battery Packs
- USB computer interface for firmware updates
- Operates while charging
- All-in-one satellite meter applications

OPTIONS

- **Wi-Fi**
 - Download software updates to SatFinder Pro wirelessly
 - New Remote App is still in development

SATFINDER PRO Satellite Signal Level Meter

SATFINDER PRO	SATELLITE	CABLE & OFF-AIR
Description	Satellite Meter VSAT and North American DBS / Broadcast TVRO, International DTH	Cable & Off-Air (J.83B) / VHF / UHF
Application	DISH, DIRECTV, Bell TV, Shaw Direct, iDirect, Hughes Ku, and more	Cable & Off-Air (J.83B) / VHF / UHF
Frequency Range	250-2150 MHz & 950-2150 MHz	5-1000 MHz
Tuning Resolution	4 kHz	Standard channel spacing
Signal Level Range	-75 to -15 dBm (+34 to +94 dBμV) & -65 to -25 dBm (+44 to +84 dBμV)	-40 to +60 dBmV
RF Level Accuracy	+/- 2 dB typical, 3 dB max	+/- 1.5 dB typical
Signal Lock Formats	DVB-S (QPSK), Digicipher 2 (QPSK & OQPSK), DVB-S2 (QPSK & 8PSK, CCM), DSS / DIRECTV Legacy (QPSK), Turbo (QPSK & 8PSK), DVB-S2 & DVB-S2X (QPSK, 8PSK, 16APSK, 32APSK, CCM, VCM, ACM)	8VSB (ATSC A/53) & 64QAM, 256QAM (ITU-T J.83, Annex B)
LNB Power	13VDC for V/R, 18VDC for H/L, 21VDC for DIRECTV SWiM, 29VDC	-----
Measurements	<ul style="list-style-type: none"> Demodulates DVB-S, DSS / DIRECTV Legacy, Digicipher 2, Turbo FEC, & DVB-S2 (QPSK & 8PSK, CCM), DVB-S, DVB-S2 & DVB-S2X (CCM, ACM, & VCM) signals 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) 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) 	<ul style="list-style-type: none"> Digital Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph 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 Current draw of off-air antenna pre-amp / LNA <p>VHF/UHF/OFF-AIR FEATURES</p> <ul style="list-style-type: none"> Supplies Pre-Amp / LNA power Simultaneously displays signal level and quality of multiple channels Displays measurements for digital signals High signal sensitivity assures Off-Air antenna alignment optimization Manually tunes to custom channels Audible tone for signal lock and peak <p>MMDS FEATURES</p> <ul style="list-style-type: none"> Powers frequency block down-converters