

# SATFINDER PRO

## SATELLITE SIGNAL LEVEL METER

### OVERVIEW



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 – 9.625 in x 2.5 in x 6.75 in, 3.6 lbs (244.475mm x 63.5mm x 171.45mm, 1632.93 grams)
  - 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

**\*Specifications subject to change without notice.**

| SATINDER 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"> <li>Demodulates DVB-S, DSS / DIRECTV Legacy, Digicipher 2, Turbo FEC, &amp; DVB-S2 (QPSK &amp; 8PSK, CCM), DVB-S, DVB-S2 &amp; DVB-S2X (CCM, ACM, &amp; VCM) signals</li> <li>Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph</li> <li>Signal Quality (IRD, C/N, Eb/No, or Es/No)</li> <li>Pre-FEC &amp; Post-FEC BER (Bit Error Rate) PER (Packet Error Rate)</li> <li>BER (Pre FEC / Viterbi &amp; Post FEC / Reed Solomon) for DVB-S, DSS / DIRECTV Legacy, and Digicipher 2 signals</li> <li>Bad blocks, corrected blocks, and frame errors for DVB-S2 and Turbo FEC signals</li> <li>Voltage output of IRD / IDU (29V max)</li> <li>Current draw of LNB</li> <li>LNB frequency deviation (LNB LO drift estimate)</li> <li>Symbol Rate error</li> <li>Spectrum Screen (frequency on x-axis, amplitude on y-axis)</li> <li>Constellation Screen (I and Q demodulator values)</li> </ul> | <ul style="list-style-type: none"> <li>Digital Signal Level (dBm, dBmV, or dBμV) with present and peak bar graph</li> <li>Digital Signal Quality (MER &amp; BER)</li> <li>Locks on 8VSB (ATSC A/53) UHF digital Off-Air signals</li> <li>Locks on 64QAM and 256QAM (ITU-T J.83, Annex B) CATV signals</li> <li>Tilt</li> <li>Current draw of off-air antenna pre-amp / LNA</li> </ul> <p>VHF/UHF/OFF-AIR FEATURES</p> <ul style="list-style-type: none"> <li>Supplies Pre-Amp / LNA power</li> <li>Simultaneously displays signal level and quality of multiple channels</li> <li>Displays measurements for digital signals</li> <li>High signal sensitivity assures Off-Air antenna alignment optimization</li> <li>Manually tunes to custom channels</li> <li>Audible tone for signal lock and peak</li> </ul> <p>MMDS FEATURES</p> <ul style="list-style-type: none"> <li>Powers frequency block down-converters</li> </ul> |