

# **XR-3 with Satellite Meter Module Benefits Over Popular Super Buddy 29 Satellite Meter:**

- 1) Although the initial purchase price of the XR-3 with satellite meter module is slightly higher than the Super Buddy 29's price, the XR-3 is a better value over the life of the instrument than the Super Buddy is.
- 2) The long-term life of the XR-3's Li-Ion battery is almost double of the long-term life of the Super Buddy's Ni-MH battery. When the battery wears out in a few years, it's easy for the user to replace the XR-3's battery. And the run time per charge of the XR-3's Li-Ion battery is about double of the Super Buddy's Ni-MH battery, so there is a performance benefit, too.
- 3) The XR-3 with Turbo S2 satellite meter module is compatible with DVB-S2 signals (CCM, QPSK & 8PSK)
- 4) The boot-up, satellite signal locking, software updates, Limit Scans, and Proof of Performance Scans are quicker on the XR-3.
- 5) The display on the XR-3 is a higher resolution color display, which is much easier to see than the Super Buddy's lower resolution monochrome display.
- 6) The XR-3's color display performs better than the Super Buddy's monochrome display across broad temperature ranges (in extreme heat and cold).
- 7) A user can purchase multiple modules for various applications (i.e. DBS, QAM, over-the-air VHF/UHF 8VSB, VSAT, and other modules in the future) and quickly swap them on the jobsite as needed.
- 8) None of us has a crystal ball showing the future of technology, but the modular design provides some flexibility with future technology. As technology changes, it would only be necessary to purchase a new module instead of an entirely new meter.
- 9) XR-3 features a glow in the dark keypad on instrument's front panel.
- 10) The optional WiFi on the XR-3 base instrument allows the user to download software updates wirelessly, upload saved scans wirelessly via FTP, and connect to mobile devices (i.e. Android phones and tablets) using the optional XR-3 Remote app for Android.
- 11) When paired with the optional XR-NS Coaxial Cable Tester, the XR-3 can test coax cables for continuity, voltage loss, and RF signal performance (including dB level loss).
- 12) With regards to repairs, the XR-3's modular design has benefits. In the unlikely event there is an issue with a module, only the tuner module would need to be sent back for service. So, it would be easy to troubleshoot by borrowing a known good working module from a colleague and temporarily swapping it with the faulty module to see if that resolves the issue. If it does, then the faulty module could be sent back to the factory for service (the module has a smaller box size, lighter weight, so cheaper shipping) and your head office could maybe have a few modules on hand to be loaners since the modules themselves are cheaper than an entire new meter.
- 13) The window protecting the display on the XR-3 is hard and thus will protect the LCD glass better than the Super Buddy's film window covering the Super Buddy's display, so this will result in less broken LCD's (which means less units being sent to the factory for repair).
- 14) While not waterproof, the XR-3 (as long as the module is locked in place when outdoors) is more weatherproof than the Super Buddy, but it should still be shielded with a plastic bag or something by the user if the user is forced to work in a steady rain or downpour.
- 15) 250 to 2150 MHz tuning range – expanded 250-950 MHz tuning range is useful for MoCA signal presence testing & lower satellite band tuning (including DIRECTV B-Band).



# Which **XR-3** Module Is Right For You?

If your work is:

- DBS satellite (i.e. DISH, DIRECTV, Shaw Direct, Bell TV) - the Turbo S2 DBS satellite meter module is the best choice
- C band video broadcast satellite reception (i.e. commercial TVRO satellite antenna farms at CATV headends) – the VSAT S2-ACM module is the best choice
- VSAT / Mobile Satcom / Broadband / Data Terminal applications – the VSAT S2-ACM module is the best choice
- iDirect and Hughes Ku Band – the VSAT S2-ACM module is the best choice
- Commercial Low Ku Band (i.e. uplink trucks, teleports) – the VSAT S2-ACM module is the best choice
- DBS / DTH outside of North America – the VSAT S2-ACM module is the best choice
- VHF / UHF 8VSB off-air (high def digital ATSC over the air) antenna work – the Cable Air RF signal strength meter module is the best choice
- Analog or digital QAM cable work in SMATV systems and mini-headends at MDU properties - the Cable Air RF signal strength meter module is the best choice

In the event you have varied applications, you can easily swap the modules in about 10 seconds.

## Related **XR-3** Part Numbers

Model Name	Part Number	Description
XR-3	XR-3	Modular Test Instrument Base (modules sold separately)
XR-3W	XR-3W	Modular Test Instrument Base (modules sold separately) with Wi-Fi option
DBS Module	XR-TS2-01	Turbo S2 DBS Satellite Meter Module (North American DBS / Broadcast TVRO) for XR-3
VSAT Module	XR-S2ACM-01	Satellite Meter Module (VSAT / Broadcast TVRO / non-North American DTH) for XR-3
Cable Air Module	XR-CA-01	CATV Off-Air Signal Meter Module (Cable J.83B QAM / 8VSB/ UHF / VHF) for XR-3
XR-NS	XR-NS	Coaxial Cable Tester, 75Ω (Controlled and Powered by XR-3)
Protective Carrying Case	978-00008	Hard Shell Protective Carrying Case with pre-cut internal foam padding

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