

## Applied Instruments SuperBuddy 29



### Features:

- Field Replaceable F - connectors (barrel connectors)
- Calibrated Signal Level (dBm, dBmV or dB $\mu$ V)
- Holds ALL satellites and ALL their transponders
- Field Guide software updates are available as free downloads from the internet.
- Ability to LOCK on **WildBlue** internet satellite and able to identify relevant geographic-specific WildBlue spot beam based on your Zip Code
- Ability to LOCK on new **Dish Network 118.7** and 129 satellites with 8PSK signals
- Ability to do new **DirectTV AU9 Ka Ku** Installs (Can LOCK on and display signal strength for 101, 110, and 119 and will display signal strength for 99 and 103)
- Ability to do new **DirectTV MFH1** Installs
- Ability to control new Zinwell 6x8 Multiswitch
- Ability to save **proof of performance** readings (actual signal level & quality measurements) and then upload them to your PC to give to the head office
- BER (Bit Error Rate, Reed Solomon)
- Zip Code Lookup - Ability to obtain needed azimuth, magnetic heading, and elevation for antenna install preparations based on your Zip Code
- Tunable to individual transponders
- Quick Charge Battery
- Ability to manually enter new custom satellites using front panel keypad (ideal for lab use or military classified satellite use)
- Rugged durable aluminum case with rubber shock guards and weatherproof gaskets
- Troubleshooting ability (Can display Voltage supplied by IRD and Current drawn by LNB)
- Works with both normal and stacked frequency plans
- Current Limit Level of 600 mA; This is enough juice to power even the Dish Pro Plus 3 LNB setup and the Dish 1000.2, which are the "current hogs" of the industry

## Ideal for Use with the Following Systems:

- Dish Network (including new **Dish Network 118.7** and 129)
- DirecTV (including new DirecTV AT9 KaKu & MFH1 Systems)
- Bell ExpressVu
- Tachyon
- All Low Ku Band FSS Satellites (i.e., Globecast / WorldTV/ Galaxy Satellites)
- DirecWay / HughesNet
- **DTN**
- Star Band
- Star Choice
- **WildBlue/ Telesat**
- Custom
- Stacked LNB / L-Band (i.e. Sonora systems, NAS systems, etc)

## Applications

- VSAT installations
- Site surveys
- Commercial installations
- Single family home installations
- Multiple dwelling unit (apartment and condominium) system installations and alignments

## Measurements

- Signal Level (dBm, dBmV or dB $\mu$ V) with present and peak bargraph
- Signal Quality (displayed with familiar IRD value with present and peak bargraph or as C/N, Eb/No, or Es/No)
- Carrier/Noise Ratio (dB)
- Bit Error Rate (Post-FEC, Reed Solomon)
- Voltage supplied by IRD
- Current drawn by LNB

## Specifications

- Frequency range 950 to 2150 MHz
- Tuning resolution Individual Transponders
- Signal level range -70 to -10 dBm (-21 to +39 dBmV) (+39 to +99 dB $\mu$ V)
- Signal lock formats DSS, DVB-S, Digicipher 2, Dish 8PSK
- Impedance 75 Ohm
- LNB power 13 VDC for V/R, 18 VDC for H/L, Current limited at 750 mA
- Switch control 22 kHz, DiSEqC, DISH Legacy
- Battery Rechargeable NiMH 7.2V, 3.0 Ah
- Run time/charge 3 hours for a single LNB (depends on LNB current draw)
- Universal AC charger 100 to 240 VAC, 50/60 Hz, fast charge and then trickle
- Vehicle Charger 12 VDC
- Computer interface Serial Port (Com 1, 2, 3, 4, 5 or 6)
- RF Connector Double-F barrel field replaceable
- Size (W x H x D) 6.8" x 6.4" x 3.2" (17.3cm) x (16.3cm) x (5.8cm)
- Weight 3.45 lbs. (1.6 kg)
- Operating temperature 0°F to 125°F (-17°C to 51°C)
- Standard Accessories Shoulder strap
- AC Line Cord for charging battery (Universal 100 to 240 VAC Transformer is built into the meter)
- Automobile cigarette-lighter adapter battery charge cord