



DSM1

Dual Satellite Signal Level Meter

- ▶ **Quick and easy alignment simplifies single and elliptical dish alignment**
- ▶ **Dual input and independent meter display saves time by providing simultaneous alignment and monitoring of two LNB orbital slots without alternately switching between feeds**
- ▶ **Independent 22KHz tone switches provide on-the-fly switching between orbital slots for simplified multiswitch testing and overall ease of operation**
- ▶ **Overall band power display allows measurement of analog and digital, C and Ku band signals**
- ▶ **Variable-pitch tone provides simple audible overall alignment reference without looking away from the dish**
- ▶ **Broadband satellite IF amplification and independent gain controls allow optimization of signal meter and audible tone indication**
- ▶ **Internal battery pack supplies 13V-18V power to satellite LNB's, eliminating need for receiver power during alignment and providing simple method to test multiswitch operation**
- ▶ **LNB voltage and current test provides advanced troubleshooting of LNB and cabling performance**
- ▶ **Internal battery test mode indicates battery status to ensure reliable operation**
- ▶ **Impact resistant plastic and protective carrying case with included strap provides meter protection in harsh weather conditions**



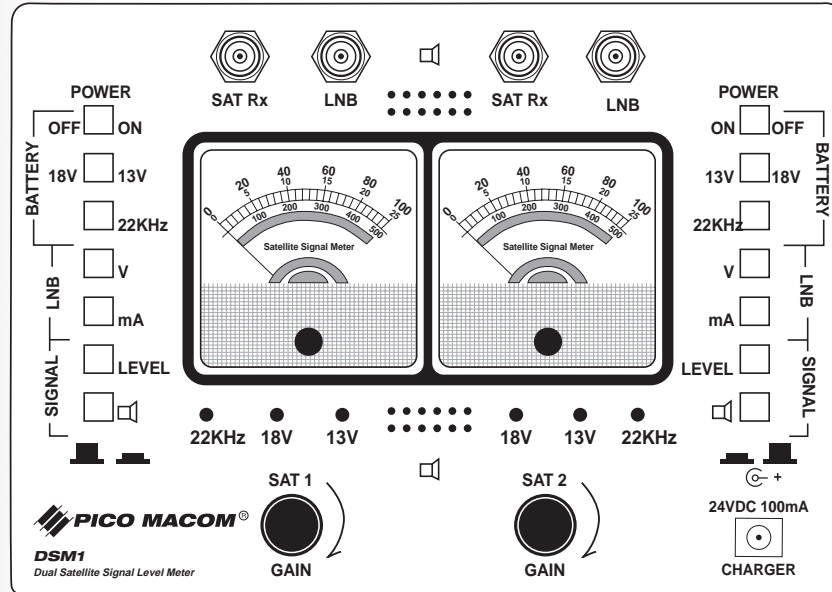
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Pico Macom's DSM1 Dual Satellite Signal Level Meter is a full-featured handheld satellite IF meter providing a complete testing system in a convenient easy-to-carry protective case. The DSM1 enables testing and alignment of single or multiple satellite antennae and associated cabling. Dual signal paths and independent displays ensure quick and accurate alignment of altitude, elevation and tilt-skew, thus eliminating the need of multiple satellite meters when used with today's and next generation satellite dish antenna. Connecting two LNB's to the DSM1 provides simultaneous measurement, adjustment, and monitoring, enabling skew alignment of elliptical multi-feed satellite dish antenna. Unique to each side, variable audible tones enable rough signal peak detection through higher pitch change as signal level increases. Simultaneously, the analog meter's deflection provides precise acquisition for optimum system performance. The amplification broadband detector and variable gain controls allow detection of a wide range of input levels. The dual meters can be independently switched between level, current, voltage and 22KHz tone, making the DSM1 the most complete troubleshooting tool available. The internal battery pack provides voltage to two LNB's simultaneously, both switchable between 13-18VDC and allowing simple spectrum analysis and cable fault detection. A battery charger and sturdy carrying case with strap are included.

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Specifications

Frequency Range:	950-2150 MHz
Impedance:	75 Ohms
Connectors:	F-Female
Audible Tone:	Variable Frequency 0.2 to 5.0 kHz
LNB Voltage:	13-18 VDC 22KHz Selectable
Voltage Measurement:	0-25 VDC
Insertion Loss:	4.5 dB
Voltage Drop:	0.3 VDC
Input Level Range:	-30 to +4 dBm @ 1 transponder -39 to -5 dBm @ 8 transponders -42 to -8 dBm @ 16 transponders
Battery Charging:	100mA 11-Hours (approx)
Battery Capacity:	600mA hours (90 min 2-LNB, 180 min 1 LNB)
Battery Life:	500 Charge-Discharge Cycles
Wall Plug Charger:	124 VAC/24VDC 100mA or 230 VAC/24VDC 100mA
Dimensions:	7.0"(L) x 3.8"(D) x 4.9"(H)
Weight:	2.8 lbs.

Ordering Information

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