



APPLIED INSTRUMENTS, INC.

TELECOMMUNICATIONS INSTRUMENTATION

SAT 9520™ For Residential, Commercial and Multi-Dwelling Applications

The SAT 9520™ satellite signal level meter measures the strength and quality of satellite signals. It is durably constructed and field-portable. The SAT 9520™ is tunable to individual transponder frequencies. Its strong battery is able to power single and multiple LNBs and control multi-switches.

The SAT 9520™ identifies many of the DBS, Ku, and C-Band satellites. This simplifies the receive portion of two-way broadband and VSAT installations. The SAT 9520™ is an excellent alternative to a laptop computer or a spectrum analyzer for locating the correct satellite, especially when used outside in the elements or on a rooftop.

The SAT 9520™ simultaneously displays signal strength, the familiar IRD signal quality value, bargraphs for signal peaking, carrier-to-noise for optimizing cross-polarization, and bit-error-rate for obtaining maximum rain-fade margin.

The SAT 9520™ is ideal for satellite installations and troubleshooting L-Band networks.



SAT 9520™ Satellite Signal Level Meter



**Positive Identification
of Satellites**

"Reliability through Simplicity"

SAT 9520™

Satellite Signal Level Meter

FEATURES

- Durably constructed and field portable
- Identifies most satellites
- Powers single- and multi-LNB dishes
- Controls most multi-switches
- Tunable to individual transponder frequencies for standard (950-1450 MHz) and stacked (950-2050 MHz) systems
- Strong, fast-charge internal battery
- Audible tone for aligning dish
- Interfaces to computer for future software upgrades

MEASUREMENTS

- Signal level (dBm, dBmV, dBμV) with present and peak bargraphs
- Signal quality; familiar IRD equivalent value with present and peak bargraphs
- Carrier-to-noise ratio (C/N, Eb/No or Es/No)
- Bit-error-rate (BER); pre and post FEC
- Transponder scan with min/max summary
- LNB frequency deviation estimate (kHz or MHz)

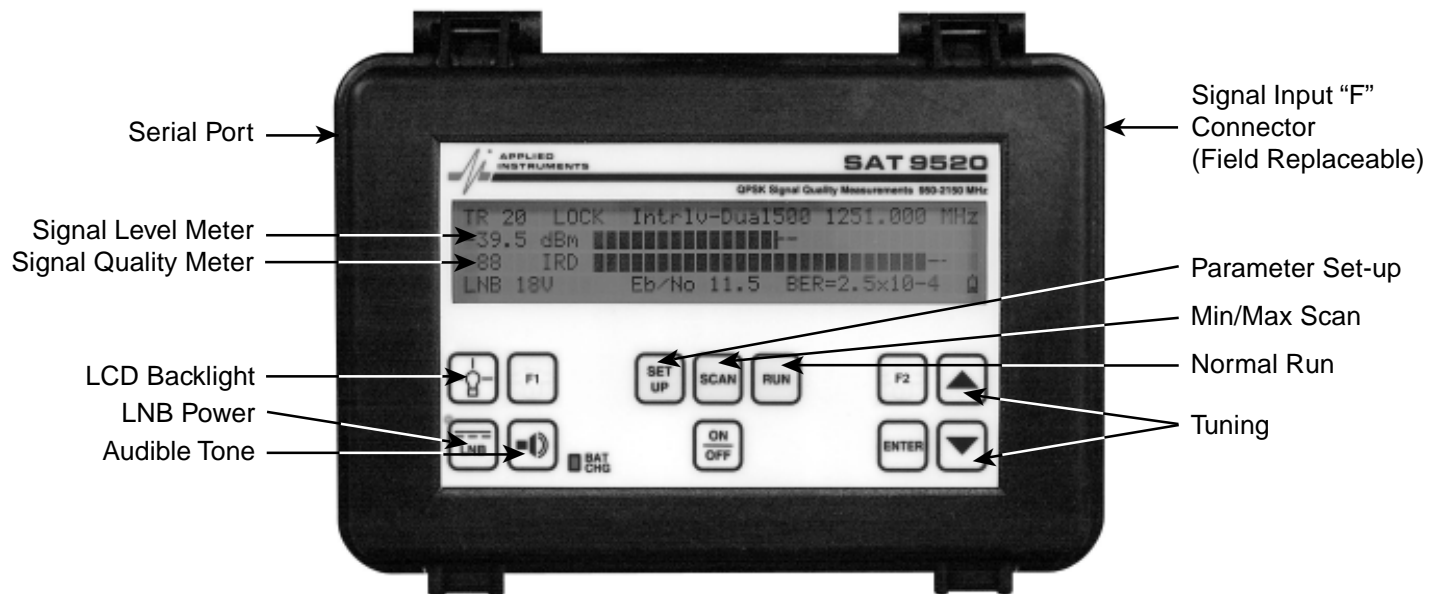
STANDARD ACCESSORIES

- Padded carrying case with shoulder strap
- Transformer for charging battery
- Operator's manual
- Spare "F" connector (field replaceable)
- Serial cable for interfacing to computer

SPECIFICATIONS

Frequency Range	950 to 2150 MHz
Tuning Resolution	Individual Transponders
Receiver Bandwidth ...	25 MHz
Signal Level Range	-68 to -8 dBm (-20 to +40 dBmV) (+40 to +100 dBμV)
Impedance	75 Ohm
LNB Power	13/18 VDC current limited to 750 mA (22 kHz tone and DiSEqC™ capable for controlling multi-switches)
Battery Life/Charge	3.5 hours LNB power (depending on LNB current draw)
Battery	Internal rechargeable, 1800 mAh
Battery Charge Time ..	Fast charges in 2 hours, trickle thereafter
Pre-FEC BER Range ..	2.0 E-2 (1 in 50) to 4.0 E-7 (1 in 2,500,000)
Size/Weight	8.5"W x 6.5"H x 3.3"D/4.5 lbs. (21.5 cm x 16.5 cm x 8.3 cm/2.04 kg)
Temperature Range ...	0°F to 130°F (-17°C to 55°C)
Connector	Type F female (field replaceable)
Warranty	12 month limited

Specifications subject to change without notice.



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