

NS-1 RF Noise Generator for Testing and Aligning

The NS-1 is a handheld broadband noise generator. It generates a wide, even, RF noise-signal. The NS-1 is popular for testing network components and aligning a building's coaxial cable network.

The NS-1's signal is injected into the network at point A. Using a signal receiver, such as a signal level meter or spectrum analyzer like Applied Instrument's SAT 9520 or MDU Meter, the NS-1's signal is received at point B. The frequency response of the network, between points A and B, is obtained. This measurement allows the user to verify the integrity of cabling and its associated connections at all frequencies between 1 and 2000 MHz.

Noise Generator Model NS-1

1-2000 MHz



"Reliability through Simplicity"

NS-1

RF Broadband Noise Generator

APPLICATIONS

- Signal source for measuring insertion loss of cable splitters, taps, etc.
- Signal source for system alignment, troubleshooting, and problem tracing.

FEATURES

- Cost effective
- Compact and convenient handheld design
- Field replaceable "F" connector
- Signal drops out with low battery (no sagging)

STANDARD ACCESSORIES

- Padded carrying case with belt clip
- Spare 9V battery

ORDERING INFORMATION

- VISA, MasterCard, Amex, Discover accepted



ACTUAL SIZE

SPECIFICATIONS

RF Signal Type	White Noise energy Constant Spectral Density
Frequency Range	1 to 2000 MHz
Amplitude Output Level	
• dBm/Hz	-113.52
• Received through a 280 kHz receiver	-10 dBmV (+50 dBμV)
• Received through a 24 MHz receiver like typical DBS satellite tuners	-39 dBm (+10 dBmV) (+70 dBμV)
Amplitude Output Flatness	
1 to 46 MHz	± 0.5 dB
46 to 860 MHz	± 0.75 dB
950 to 1450 MHz	± 1.0 dB
1550 to 2000 MHz	± 2.0 dB
1 to 2000 MHz	± 2.5 dB
Output Impedance	75Ω
Operating Temperature Range ..	0°F to 120°F (-18°C to +50°C)
Power DC	9V alkaline battery
Operation Time per Battery	15 hours continuous
Low Battery Indicator	LED flashes during last 10% of battery life
Low Battery Cutoff	Turns off signal when battery is insufficient
Enclosure Type, Size, Weight	ABS Plastic, 2.4"W x 4.7"H x 0.9"D, 4 oz. (6.1cm) x (11.9cm) x (2.3cm), 113 g

Specifications subject to change without notice.