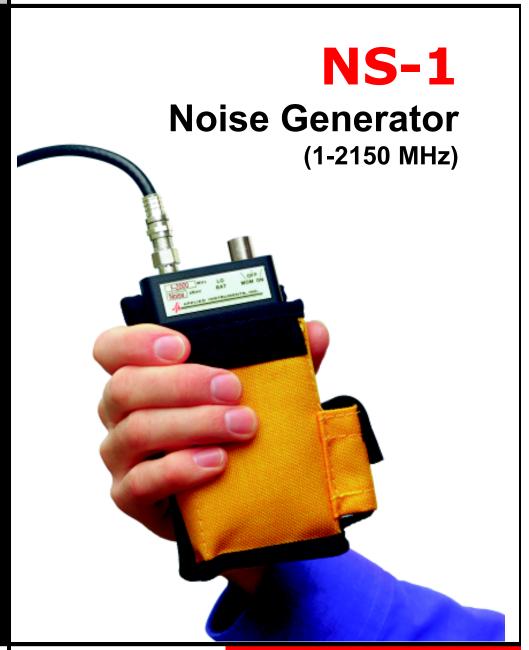


NS-1 RF Noise Generator for Testing and Aligning

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 spectrum analyzer or a signal level meter (i.e. Applied Instruments Super Buddy or XR-3), 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 RF integrity of cabling and its associated connections at all frequencies between 5 and 2150 MHz.



"Reliability through Simplicity"

NS-1 Noise Generator

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

SPECIFICATIONS

RF Signal Type	White Noise energy,	Constant Spectral Density
Frequency Range	1 to 2150 MHz	<u> </u>

Maximum Output Level (at least)

Total
280 kHz bandwidth47 dBm, -2 dBmV, +58 dBμV
24 MHz bandwidth28 dBm, +21 dBmV, +81 dBμV
6 MHz bandwidth34 dBm, +15 dBmV, +75 dBμV

Amplitude Output Flatness

	5 to 46 MHz	±0.5	dΒ
	46 to 860 MHz	±1.0	dΒ
	950 to 1450 MHz	±1.0	dΒ
•	1550 to 2000 MHz	±2.0	dΒ
	5 to 2150 MHz	±2.5	dB

Output Impedance......75 Ω

Operating Temperature......0° to 120°F (-18°C to +50°C)

DC Power.......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. 6.1 cm x 11.9 cm x 2.3 cm / 113 g

Warranty.....12 month limited

Specifications subject to change without notice.



ACTUAL SIZE

Rev 1 May 2018

Manufactured by:



Applied Instruments, Inc. 5230 Elmwood Avenue Indianapolis, Indiana 46203 USA Tel: (317) 782-4331 Fax: (317) 786-9665

Toll Free in USA: 1-800-244-2976 http://www.appliedin.com

Sales Representative: