



APPLIED INSTRUMENTS, INC.

TELECOMMUNICATIONS INSTRUMENTATION

NS-3 RF Noise Source for Bench, Field and ATE Test Applications

The NS-3 generates a flat AWGN noise signal from 5 MHz to 2 GHz. With 30 dB of adjustment range and remote control features, it is the ideal instrument for a variety of lab and field applications:

- Digital Signal Simulation
- Carrier to Noise Testing
- Interference Testing
- RF Leakage Testing
- Frequency Response
- Active Device Loading
- Inter-Modulation Testing

Its adjustable output level eliminates the need for external attenuators and cables. The simple front panel operations make it perfect for general laboratory use.

With the rack-mount kit and the remote control features, it is ideal for automated test equipment applications.

For field use, add the optional battery pack and carrying case and you have portable broad-spectrum generator that can't be beat.

NS-3^Ô RF Noise Source



Features:

- 5 MHz to 2 GHz RF noise generator
- 30 dB of output level adjustment in 0.1 dB steps
- On/off modulation at 3 selectable rates
- Remote control via RS232
- Battery pack and carrying case optional
- Rack-mount kit available

Reliability through Simplicity

NS-3 RF Noise Source

SPECIFICATIONS

Frequency 5 MHz to 2 GHz.
Output level..... -120 to -90 dBm/Hz
Displayed level..... relative
Repeatability +/- 0.5 dB
Level adjustment 30 dB, 0.1 dB steps
Input power (120/240 VAC)
Output connector BNC
Width,height,depth,weight ...7.3" x 3.7" x 9.25", 4.5 lbs.
18.5x9.4x23.5cm, 2.04kg

STANDARD ACCESSORIES

Line Cord
BNC 50 ohm matching pad
BNC 75 ohm matching pad

OPTIONS

Rack mount kit
Rear panel N connector
Rechargeable battery (NiMH)
Padded carrying case with shoulder strap

FUNCTIONS

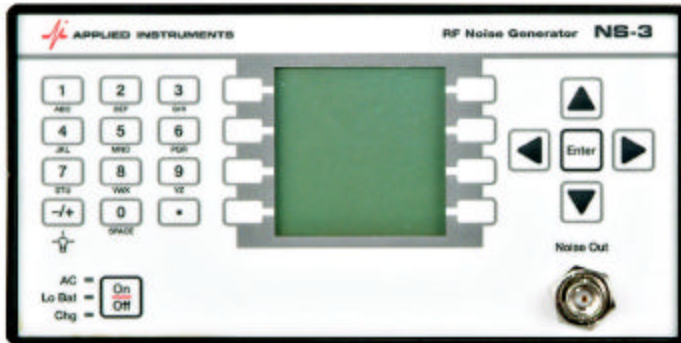
RF on/off
Adjustable level (keypad, arrows, adjustable step size)
Selectable reference (max down, min up, settable ref pt)
On/off pulse modulation (slow, medium, fast, none)
Standard SCPI language remote control

MAX OUTPUT LEVEL

-90 dBm/Hz
+13 dBmV @280 KHz bandwidth
+26 dBmV @5.2 MHz bandwidth
-17 dBm @20 MHz bandwidth

FLATNESS

+/- 1.0 dB 5 MHz to 1 GHz
+/- 2.0 dB 5 MHz to 2 GHz
+/- 3.5 dB 5MHz to 2.15 GHz



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