

# NOD 5000 SERIES BROADBAND NOISE INSTRUMENTS

## 10Hz TO 18GHz



### NOD SERIES OUTPUT CHARACTERISTICS

MODEL	FREQUENCY	FLATNESS*	VSWR	RF OUTPUT POWER (dBm/Hz)	(dBm)
NOD-5107	100Hz-100MHz	2.0 dB P-P	1.5:1	-70	+10
NOD-5108	100Hz-300MHz	2.0 dB P-P	1.5:1	-75	+10
NOD-5109	100Hz-500MHz	4.0 dB P-P	1.5:1	-77	+10
NOD-5110	300MHz-1GHz	4.0 dB P-P	1.5:1	-79	+10
NOD-5111	1GHz-2GHz	4.0 dB P-P	2.0:1	-80	+10
NOD-5112	10MHz-2GHz	4.0 dB P-P	2.0:1	-83	+10
NOD-5124	2GHz-4GHz	4.0 dB P-P	2.0:1	-103	-10
NOD-5200	100Hz-1GHz	4.0 dB P-P	2.0:1	-80	+10
NOD-5250	100Hz-1500MHz	5.0 dB P-P	2.2:1	-83	+10
NOD-5300	2GHz-18GHz	6.0 dB P-P	2.5:1	-112	-10

Optional 2nd & 3rd Rotary Attenuators available  
Calibration Services offered

\* Flatness is specified as a R.S.S. value over all attenuator settings. Factory acceptance test is P-P flatness @ 0 dB attenuation settings. Worst case tolerance up to 1.5 dB P-P more than R.S.S. value.

### Description

NOD Series Noise Instruments are portable, small and lightweight (less than 10 lbs.) and designed to provide accurate carrier-to-noise measurements in the lab, field or factory.

An attenuator is included and calibrated at the connector, so there's no need to compensate for external control components.

### Specifications

Operating Temperature:  
0 to +70°C

Supply Voltage:  
110 VAC/60 Hz or  
220 VAC/50 Hz

Temperature Stability:  
.025 dB/°C

Output Impedance:  
50 ohm

Peak Factor: 5:1

Attenuation Range:  
0 dB to 10 dB in 1 dB steps  
or 0 dB to 100 dB in  
10 dB steps

Dimensions:  
9.38"W x 3.96"H x 10.75"D

### Applications

Simulation of spread spectrum signals (CDMA)  
Carrier-to-noise measurement  
Bit error rate testing  
Y Factor measurements  
Modem testing