

Broadband Noise Generators

The ANG series of general purpose noise generators provide up to 1 watt of white Gaussian noise output in several models over the 10Hz to 18GHz frequency range, with custom options to 40GHz and are designed to be used either as laboratory instruments or as built-in system test facilities.

The noise, which is diode generated, is amplified and the level can be varied in 1dB steps from 0 to 10dB or optionally in 0.1dB steps from 0 to 111dB. Further standard options are available in addition to the ability to provide custom solutions for particular applications.

- 10 Hz - 18GHz
- High Output, up to +30dBm
- White Symmetrical Gaussian Noise
- Test Instrument
- Flat Output
- Fine Attenuation Control
- Standard and Custom Options



General Specifications	
Attenuator Ranges	0 to 10dB in 1dB steps (standard) 0 to 100dB in 10dB steps 0 to 1.0dB in 0.1dB steps
RF Output Connector	SMA Female
Front Panel	RF Output Attenuator Control knobs On/Off Switch
Rear Panel	IEC AC Power Connector AC Power Switch AC Fuse
Operating Temperature	-10+50C
Specification Temperature	+25C
Input Power	80-240V @ 50/60Hz
Instrument Size	14.6 (370) x 4.4 (110) x 11.8 (300) ins. (mm) Plus Carry / Tilt handle

- Options:**
- NG01 Attenuator Range 0 to 30dB in 0.25dB steps
 - NG02 Alternative 100dB attenuator in 10dB steps (for frequencies up to 2.5GHz)
 - NG03 Alternative 60dB attenuator in 10dB steps (for frequencies over 2.5GHz)
 - NG04 Attenuator Range 0 to 60dB in 1.0dB steps
 - NG05 Additional 100dB attenuator in 10dB steps (for frequencies up to 2.5GHz)
 - NG06 Additional 60dB attenuator in 10dB steps (for frequencies over 2.5GHz)
 - NG07 Signal Combiner input
 - NG08 19" x 2U rack mount
 - NG09 Portable Bench Instrument
 - NG10 75 Ohm impedance (for frequencies up to 2GHz only)
 - NG11 Output Mute

Note: Standard Attenuator
0-10dB in 1dB steps for frequencies up to 2.5GHz
0-9dB in 1dB steps for frequencies over 2.5GHz

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

