

Audible Noise Generator

NG-1

The **NG-1** Audible Noise Generator provides both "Pink" or "White" noise and is a useful tool for broadband level matching of multiple microphones in studios, teleconferencing rooms and A/V installations. The NG-1 is an excellent source of background masking noise for injection into office background music systems or via direct acoustic radiation into small rooms.

The Pink Noise output of the **NG-1** is optimum for measuring room response peaks and valleys when using a sound level meter in conjunction with a one-third octave response tuned voltmeter or analyzer. Either White Noise with equal energy per Hz bandwidth or Pink Noise with equal energy per octave of bandwidth is switch selectable. Pink Noise most closely matches the subjective loudness response of the ear and sounds uniformly loud at all pitches, whereas White Noise sounds very bright and lacking in low frequency content.

The **NG-1** incorporates a timer for pulse operation that interrupts the noise output for one second out of every four seconds so that the resulting signal picked up by the microphone can be readily distinguished from background acoustic and electronic noise.

The **NG-1** contains a built-in speaker or can drive external amplifiers and speakers. It is powered by an internal 9VDC battery (not included) for total portability or an AC/DC wall adaptor for continuous use. The device is housed in a rugged, compact ABS enclosure with swivel type mount.

- Produces White or Pink Noise
- Internal speaker with output jack
- Produces 94dB SPL @12 inches (30.48cm)
- Switchable for pulse operation
- Battery powered; optional external AC adapter included



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Technical Specifications

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OUTPUT	The NG-1 generates a smooth five octave (300 to 10,000 Hz) noise spectrum through the internal loudspeaker. A full ten octave range from 20 to 20,000 Hz is available to feed external amplifiers and speakers at the phone jack output. Internal speaker produces up to 94dB SPL at 12 inches (3048cm).
NOISE	A pulse generator momentarily interrupts the noise output every four seconds to allow the applied noise signal to be readily distinguished from other types of background noise, which might be present in a system's measured output. The pulse feature may be switched off to allow continuous noise output.
SIZE	Rugged, compact, 4" (10.2cm) H x 4" (10.2cm) W x 2" (5.1cm) D ABS enclosures with swivel type mount.
POWER	Replaceable internal nine volt battery for total portability and ease of use. A plug-in wall mount AC power supply is included for continuous use.
WARRANTY	Limited One Year Warranty