



FEATURES

- Creates powerful protection against the leakage of all types of vibro-acoustics by injecting non-filterable noise into surrounding structures and cavities
- Suppresses wall contact microphones, window laser systems and wired microphones inside walls, voids and ventilation shafts (air ducts)
- Is a key part of the protection system which also includes wire-connected transducers and speakers
- Generates white noise – the output interference is evenly distributed through the spectrum of a human's voice
- Has 3 independent output channels: 2 x TRANSDUCERS and 1 x SPEAKERS
- All 3 channels have individual level adjustment
- Each TRANSDUCERS channel can feed up to 12 transducers mounted on solid structures (concrete/cement/bricks) and up to 24 transducers on light structures (glass, pipes, drywall, wood)
- The SPEAKERS channel can feed up to 12 speakers
- The MUTE control input allows the user to turn off the speakers temporarily

VIBRO-ACOUSTIC EAVESDROPPING

It is well-known that sound permeates through walls, doors, water, windows and other constructions as well as through voids, cavities and ventilation shafts. This property of materials makes it possible to intercept conversations conducted within a premises with the help of highly sensitive contact microphones (electronic stethoscopes), window laser systems or conventional microphones without entering the target area.

Wall contact microphones can pick up vibrations from the plumbing, structures, walls, windows, doors, floors, ceilings and more. The listening device may be in an adjacent room, or even several floors or rooms away attached to a wall, pipe or other fixture. Cavities such as air ducts, ventilation shafts or other voids can be used for intercepting sound from an adjacent premises with a help of conventional microphones.

Window laser systems are able to "read" conversations from the premises by sending visible, or invisible, infrared beams to the glass and extracting the sound vibrations from the reflected rays.

The DNG-2300 generator, together with its transducers and speakers, counteracts all the above mentioned methods of listening by creating powerful, non-filterable interference on the structure of a building and within its voids. While transducers inject their generated noise into surfaces and structures, stopping the distribution of sound through them, the role of a speaker is to fill voids, cavities and ventilation shafts with audio interference to prevent leakage of sound through the air.

DNG 2300

Digital white noise generator



SUPPLIED SET

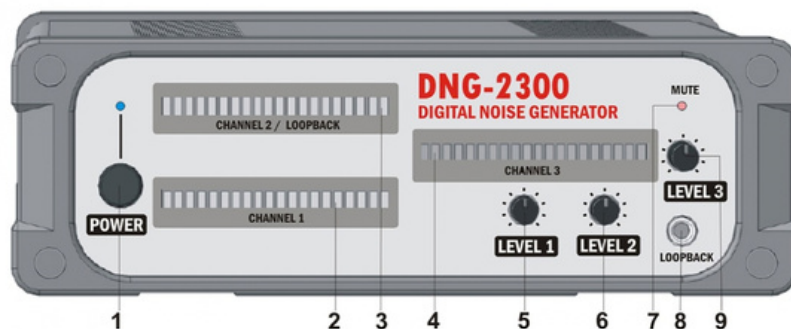
	DNG KIT1	Standard set
Noise generator DNG 2300	1	1
AC power cord	1	1
Transducer TD2300 4 Ohm	12	-
Speaker SP2300	2	-

SPECIFICATIONS

Power source	110-220 V, 50-60 Hz
Dimensions	6 x 17,5 x 25,4
Weight	2.2 kg
Output channels	2 x TRANSDUCERS 1 x SPEAKERS
Peak output voltage	12 V
TRANSDUCERS output (2)	
Max. output power	2 x 10 W
Frequency response	180-5600 Hz
Minimal impedance of load	3 Ohm
Recommended transducer	TD 2300
Max. quantity of transducers per channel	24 (light structures) 12 (solid structures)
SPEAKERS output	
Max. output power	1 x 8 W
Frequency response	180-7000 Hz
Minimal impedance of load	8 Ohm
Recommended speaker	SP 2300
Max. quantity of speakers	12

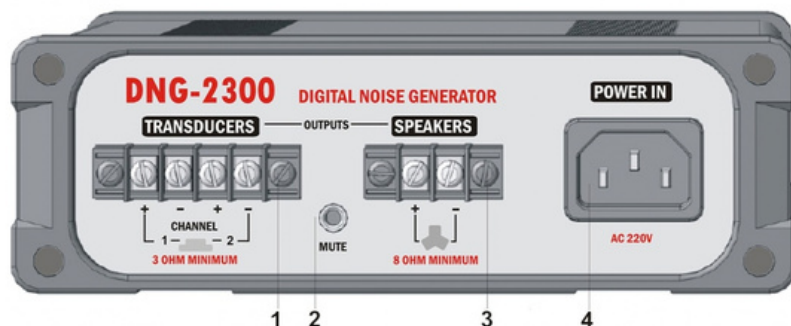
CONTROLS

FRONT PANEL



- ① Power switch
- ② Level indicator - Channel 1 (TRANSDUCERS 1)
- ③ Level indicator - Channel 2 (TRANSDUCERS 2)
- ④ Level indicator - Channel 3 (SPEAKERS)
- ⑤ Level 1 adjustment - Channel 1 (TRANSDUCERS 1)
- ⑥ Level 2 adjustment - Channel 2 (TRANSDUCERS 2)
- ⑦ Mute state of Channel 3 (SPEAKERS)
- ⑧ Level 3 adjustment - Channel 3 (SPEAKERS)

REAR PANEL



- ① TRANSDUCERS output terminals – Channels 1 and 2
- ② Muting for Channel 3 (SPEAKERS): contacts open – channel on, contacts closed – channel off
- ③ SPEAKERS output terminals – Channel 3
- ④ AC power input