

Ideal Sound Source for All Kinds of Acoustic Measurements



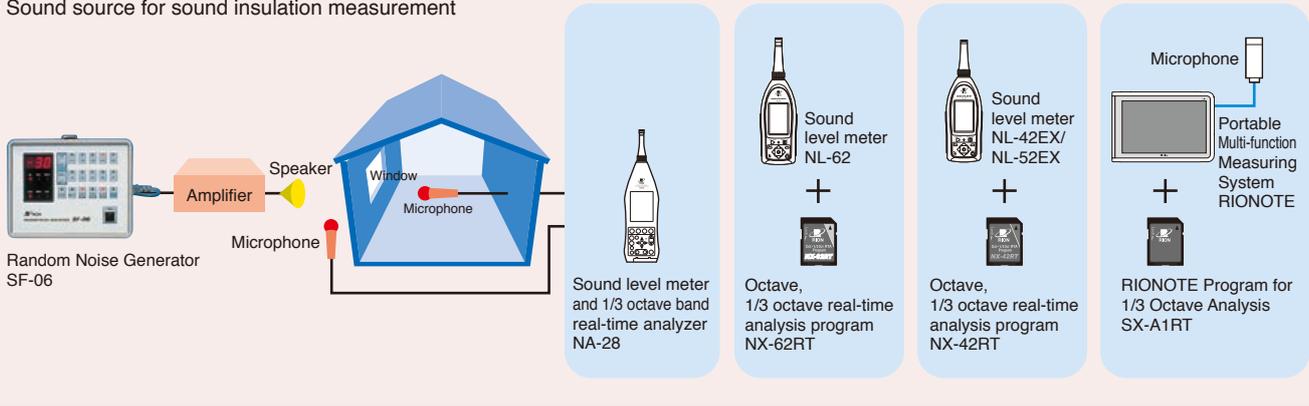
Random Noise Generator **SF-06**

- White and pink noise based on m-sequence pseudo random noise
- M-sequence repeat cycle 12 hours (logical value), with 50 kHz sequence clock
- Nine selectable 1/1 octave band filters with center frequencies from 31.5 Hz to 8 kHz. Multiple adjacent bands can be selected and used together.
- Choice of noise output modes: continuous, automatic burst, manual, external trigger
- Integrated serial interface allows external control from a computer
- Side-mounted connector panel allows use of the unit in an upright position

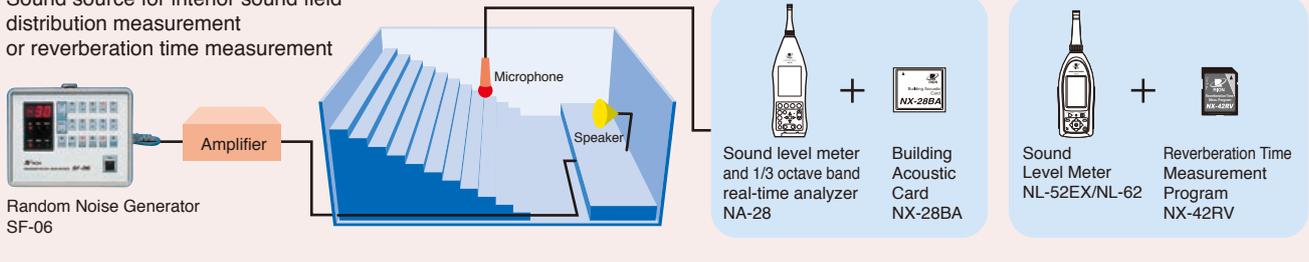


Application Examples

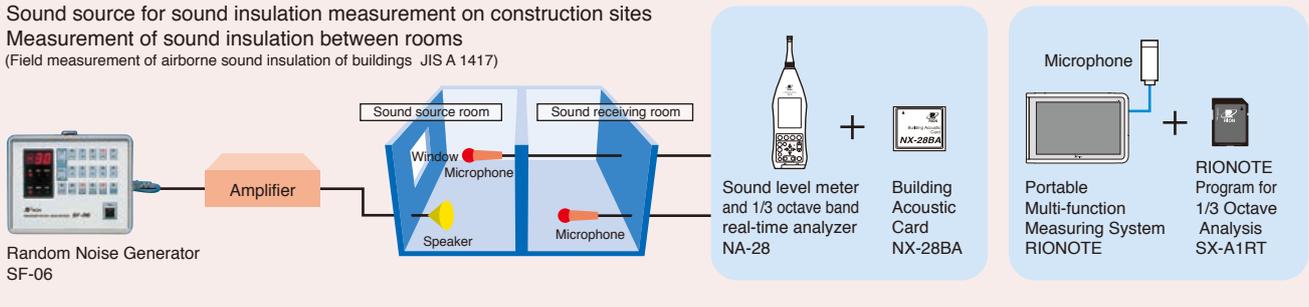
● Sound source for sound insulation measurement



● Sound source for interior sound field distribution measurement or reverberation time measurement



● Sound source for sound insulation measurement on construction sites Measurement of sound insulation between rooms (Field measurement of airborne sound insulation of buildings JIS A 1417)



Specifications

Output frequency range	White noise, pink noise Bandwidth 20 Hz to 20 kHz
Octave bands	31.5 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz
Filter section	Octave band filters Standard compliance JIS C 1514: 2002 class 1 IEC 61260: 1995 class 1
Output signal level	Approx. 5.6 Vrms (white noise AP value, ATT 0 dB)
Output level range	0 to -60 dB (variable in 2-dB steps)
Output connectors	Noise output: BNC-P / XLR-3-32 (1 each) Output load impedance 50 kΩ or higher
Noise generator	DSP creates m-sequence pseudo random noise
All-pass	White noise or pink noise, bandwidth 20 Hz to 20 kHz
Octave-band noise	31.5 Hz to 8 kHz, single band or combination of adjacent bands
Burst function	
CONT	Continuous output
BURST	Automatic intermittent signal output Separate settings for on and off time, range 1 to 9 seconds
MAN	Manual signal output control
External trigger input	Enables on/off switching using external contacts

Display	3-digit LED indicators	Shows attenuation, burst time, or transfer rate (selectable)
Communications	RS-232C interface, 9-pin D-sub connector	Transfer rate 9.6 k, 19.2 k, 38.4 k bps selectable
External I/O		
EXT TRIG IN		Can be connected to external contact circuit to turn oscillation on and off
SYNC OUT		At ground level during noise output, high impedance in no-noise state
ID setting		Setting range 00 to 7F (00 to 127)
Power requirements		100 V to 250 V AC, 50/60 Hz, approx. 20 VA
Ambient conditions for operation		-10 °C to +50 °C, 30 % to 90 % RH (no condensation)
Dimensions and weight		168 (H) x 198 (W) x 270 (D) mm, approx. 3 kg
Supplied accessories		3P power cord x 1 (AA-38-222) 3P-2P adapter x 1 Cannon cable (5 m) x 1

* We have recommendations for powered speakers.
Please contact us for details.



JCSS
JCSS 0197

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* Specifications subject to change without notice.

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RION CO., LTD.
<https://rion-sv.com/>

3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan
Tel: +81-42-359-7888 Fax: +81-42-359-7442