Specifications

Noise Oscillator

Model OG-530

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1. Product overview

OG-530 is a noise oscillator with four outputs providing different and independent functions for continuous load test of loudspeakers. The following outputs are stored.

① JIS/DIN/IEC/EIAJ(present JEITA)(SN-1),

② EIAJ(present JEITA) (SN-2), ③ White noise and ④ Pink noise

Both JIS/DIN/IEC/EIAJ(present JEITA)(SN-1) and EIAJ(present JEITA) (SN-2) outputs can use a clipper which clip the signal at a crest factor 2 (equivalent to a 2:1 ratio between the peak and RMS voltages). A timer designed based on test method specified in JIS C 5532:2014 is available for each output control.

2. Main specifications

Item	Description
Outputs	The four stored noise signals can be used independently and simultaneously. ① JIS/DIN/IEC/JEITA(SN-1) JIS C 5532:2014 DIN(BS) EN 60268-1:1988 IEC 60268-1:1985 JEITA RC-8124C ② JEITA(SN-2) JEITA RC-8124C ③ White noise ④ Pink noise ※JEITA:Japan Electronics and Information Technology Industries Association
Output voltage	Approx. 2 Vrms for each output
Output impedance	50 Ω ±10%
Output terminal	Two BNC connectors for each output
Timer Timer ON/OFF switch is set to "ON."	Short term maximum input voltage Applying the noise signal for a period of 1 s with intervals of 1 min between the applications of the signal.
	Long term maximum input voltage Applying the noise signal for a period of 1 min with intervals of 2 min between the applications of the signal.
Clipper	Crest factor 2 (equivalent to a 2:1 ratio between the peak and RMS voltages). Clipper is provided for outputs of ① and ②.
White noise	20Hz～20kHz ±3dB (40Hz～20kHz ±2dB)
Pink noise	20Hz～20kHz ±3dB (40Hz～20kHz ±2dB)
Operating temperature and humidity	10℃～40℃, 10%～90%R.H.
Power source	AC 50/60 Hz, 100 V, 110 V, 120 V, 200 V, 210 V, 220 V, 230 V, 240 V ±10% Voltage can be specified at the shipment (internal change)
Power consumption	Approx. 10 W
Dimensions and mass	382 mm (W) × 49 mm (H) × 272 mm (D) (excluding projections) Approx. 2.5 kg
Option	Other noise signals: such as EIA RS-426-A:1980, EIA RS-426-B:1998, etc. Space for two additional signals is reserved at a rear panel.

※ Some specifications may be changed without notice due to improvement.