

TEST OSCILLATOR (0.5Ω/200W[10Vrms] Loudspeaker) Model OG-449 Specification

23.Mar.2023

GENERAL DESCRIPTION

This model is an oscillator designed to test the performance of "ultra-low" impedance loudspeakers at high power.

Output 200W (10Vrms) with a speaker with an impedance of 0.5ohm (**limited to intermittent operation of 3 seconds on and 3 seconds off**).

Built-in weighting network (addition of 1 system is possible as an option).

Equipped with an external input terminal, it can be used as a power amplifier.

APPEARANCE



FEATURE

One rotation of the frequency dial covers 10Hz to 20kHz. Therefore, there is no troublesome range switching.

[Oscillator]	
Signal source / Frequency range	Sine wave / 10 Hz to 20kHz (Manual operation)
Frequency dial accuracy	±(8%+2) Hz
Maximum output power	200 W(10 Vrms) at 0.5 ohm (limited to intermittent operation of 3 secs. on and 3 secs. off)
Output level accuracy	10 Hz to 20kHz : ±2dB / 20 Hz to 10kHz : ±1dB (at 0.5Ω drive)
Distortion	100 Hz to 5kHz: 0.6% / 20 Hz to 20kHz 0.9%
Built-in weighting networks	4 positions set by rotary switch. (1) PASS: Flat within ±0.5dB (from 10Hz to 20kHz at 0.7V) (2) F1: -6dB LPF (cut off 1kHz) (3) F2: -12dB LPF(cut off 400Hz) (4) OP: Optionally built-in network to be designed to specifications given by customer.
[External oscillator output]	
Output voltage	1 Vrms ±10%
Output impedance	600 ohm
Output terminal	BNC Receptacle connector
[External signal input]	
Input sensitivity	2.5 Vrms (Maximum input voltage 7.5 Vp-p)
Input impedance	10 kohm
Input terminal	BNC Receptacle connector
[Operation Temperature / Humidity]	
5°C to 40°C / 5% to 90% (non-condensing)	
[Power requirements]	
AC 100, 110, 120, 200, 220 or 240V ±10%, 50/60Hz (Select voltage when ordering) Approx.400VA	
[Dimensions / Mass]	
400 (W) × 430 (D) × 150 (H) mm (projecting parts excluded)	

Onsoku

©2023 Onsoku Electronic Corporation
<http://www.onsoku.co.jp>