

# 150W speaker test oscillator

MODEL OG-442

## Summary

Model OG-442 is a speaker test oscillator.

## Appearance figure



## Features

- Since it has a line input, it can also be used as a power amplifier.
  - Equipped with a filter to protect inspector ears during hearing tests.
  - The frequency dial during manual sweep covers 10Hz to 20kHz at a rotation angle of 200° .
- Since there is no troublesome frequency range switching, operation test is possible with one rotation.

【Oscillator specification】	
Oscillation frequency range	10Hz to 20kHz
Accuracy of frequency dial calibration	$\pm(8\%+2)$ Hz
Power amplifier output	150W (2 $\Omega$ to 8 $\Omega$ load impedance) 4range switching (For intermittent operation 3sec "ON" followed by 3sec "OFF" )
Maximum output voltage	1 $\Omega$ range : 12.3V 2 $\Omega$ range : 17.4V 4 $\Omega$ range : 25V 8 $\Omega$ range : 34.7V
Output level deviation	10Hz to 20kHz $\pm 1.5$ dB 20Hz to 10kHz $\pm 0.5$ dB
Distortion rate	Within 0.7% (20Hz to 20kHz)
Oscillator line output	1V $\pm 10\%$ (into an open circuit) BNC connector
Oscillator line output impedance	600 $\Omega \pm 10\%$
【Built-in weighting networks】	PASS : Flat $\pm 0.5$ dB (10Hz to 20kHz) F1 : -6dB LPF (Fc=1kHz) F2 : -12dB LPF (Fc=400Hz) OP (option) : Customer can optionally specify a desired weighting network
【External input signal】	
Maximum input signal	2.9Vrms BNC connector
Input impedance	10k $\Omega \pm 20\%$
【Other part】	
Temperature range	5 $^{\circ}$ C to 40 $^{\circ}$ C
Humidity range	5% to 90% (No condensation)
Power source	AC 100, 110, 120, 220, 230, 240V $\pm 10\%$ (internal conversion) 50Hz/ 60Hz specified by user when shipped
Consumption	About 500VA
Dimension / Mass	400(W)mm $\times$ 150mm(H) $\times$ 410mm(D) Excluding projections / About 18kg
Accessories	Power cord 1pc.

Specifications are subject to change for improvement

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