

MODEL ORC-44
RC OSCILLATOR
OPERATION MANUAL

The KIKUSUI ELECTRONICS CORPORATION MODEL ORC-44 is designed in light weight, compactness, and employed stable oscillator, from 18Hz up to 20kHz, Wien type oscillator, balanced output signals.

KIKUSUI ELECTRONICS CORP.

SPECIFICATION

Power Supply	AC _____V, 50/60 Hz
Dimensions	340(W) x 180(H) x 203(D) mm
	(Max.) (340)" x(192)" x(235)" "
Weight	Approx. 6.8 kg
Tube Used	1 6AU6
	2 12AU7
	1 12BH7A
Frequency Range	x 1 18 Hz - 200 Hz
	x 10 180 Hz - 2 kHz
	x100 1.8 kHz- 20 kHz
Frequency Accuracy	$\pm(1.5\% + 1 \text{ Hz})$
Output Impedance	$600\Omega \pm 15\%$ balanced
Max. Output (600 Ω load)	10 dBm
Distortion	more than 250 Hz less than 0.5%
	more than 100 Hz less than 0.7%
	more than 50 Hz less than 1.0%
	more than 20 Hz less than 1.5%
Output Frequency Response	within ± 1 dB
Output Stability	within ± 0.2 dB, for $\pm 10\%$ change of line voltage.

Function of Controls

- Power Switch:** A toggle switch to turn the power on or off, turning this switch upward, the power is applied, and the frequency dial is illuminated.
For about 30 seconds after, the set is in operating.
- Frequency Range:** To select desired frequency range, X1, X10, X100.
- Frequency:** Turning this knob to clockwise, the frequency increase.
- Output control:** Turning fully this knob to counter clockwise, output is zero, and to clockwise, output is increased. It can feed max. 10 dBm into 600Ω load resistor.
- Output (600Ω):** If one side is connected to ground terminal, unbalance output voltage is available, and other side in connected to ground terminal, inverse phase output voltage against former connection is available.
- Grounded Terminal:** Connected to chassis in the cabinet case.
- Output Jack:** Suited to No. 110 plug.
(Refer uniaxial plug JIS C 6501.)

Removal

Cut power supply, removes two screws from bottom also four screws from front panel.