

Oscillator

Very Low Frequency 0.1Hz



LB2260-001

Description:

The IEC Very Low Freq. Oscillator is a fixed very low frequency sine wave oscillator which is useful for providing very slow sine wave signals for special experiments.

The input is 12V.AC only and the output is 15Volt peak to peak at 5mA max. load. The starting of the oscillation is controlled by a small press button and the output is electrically protected against short circuit.

Using small lamps or LEDs and resistors, the oscillator can be used to demonstrate half wave and full wave rectification. With inductors and capacitors, experiments can be performed to demonstrate current / voltage phase relationships in inductive and capacitive circuits.

Specifications:

- Frequency: 0.1 Hz (accuracy 1%)
- Input Voltage: 12V.AC. only with connection by 4 mm sockets.
- Output Voltage: 15Volts. Peak to Peak. Connection by 4 mm sockets.
- Output current: 5mA max. (short circuit protected).

Output Control:

A press button is provided to stop the oscillation and to hold the output at a steady +7.5 Volts whilst the button is held depressed. Upon release of the button, the output voltage will begin from +7.5 Volts peak voltage and will fall down the sine wave curve towards zero and will continue the oscillations.

Length: 140mm	Width: 75mm	Height: 65mm	Weight: 370g
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Designed and Manufactured in Australia

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