



OMEGA TYPE AO-309 Sine Square Wave Generator uses latest technology of Integrated circuit and glass epoxy PCB. This instruments is compact, versatile and reliable source of signals. The unmatched features like low price without compromising the specifications of low harmonic distortion, high accuracy of frequency setting, high output levels and easy to operate.

This low cost equipment is rigid enough to be used as a general purpose test equipment by hobbyists, laboratories & manufacturers.

The entire unit is housed in a well ventilated sturdy steel cabinet with enamel finish.

FEATURES

- 01 Wide frequency range
- 02 Low harmonic distortion
- 03 Good frequency response
- 04 Better frequency stability
- 05 Good rise and fall time
- 06 Compact and portable.

SPECIFICATIONS

- 01 FREQUENCY RANGE : 10 Hz to 1MHz. five ranges.
- 02 FREQUENCY ACCURACY : $\pm 2\%$ or 2 cycles whichever is greater.
- 03 OUTPUT WAVEFORMS : Sinusoidal & Square.
- 04 STABILITY : $\pm 2\%$ (after 10 minutes warm up).
- 05 OUTPUT VOLTAGE
SINE WAVE : 0 to 0.3-3-30 Volts RMS through a three steps attenuator continuously variable in each steps by a fine attenuator (A.F.).
- 06 OUTPUT VOLTAGE
SQUARE WAVE : 0 to 1-10-100 Volts Peak through a three steps attenuator continuously variable in each steps by a fine attenuator (A.F.).
- 07 FREQUENCY RESPONSE WITH RESPECT TO 1KHz 300KHz : Sine Wave - ± 10 dB (600 Ohm) Square Wave - $\pm 5\%$ at 1 Volt P-P.
- 08 RISE TIME
FALL TIME : ± 5 Micro Sec. $\pm 5\%$ at 1V (P-P) up-to 300KHz.
- 09 SOURCE IMPEDANCE : 600 ohms $\pm 3\%$
- 10 DISTORTION : Less than 0.5% up to 10 KHz and 1% for 10 KHz to 200 KHz. Other ranges 1.5%
- 11 ENVIRONMENTAL CONDITIONS : 0-40°C
- 12 POWER REQUIREMENT : 230V $\pm 10\%$ at 50 Hz A.C. Mains.
- 13 LIST OF ACCESSORIES : BNC Lead 1 meter with Red & black Crocodile clip
- 14 Weight : 5 Kg. (Approx.)
- 15 Dimension : W340 x H160 x D245
- 16 Mains ON/OFF switch, Fuse and Jewel light.
- 17 Strongly supported by detailed Operating Instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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