

**OMEGA TYPE AO-301** Audio Oscillator has been designed specifically to generate the entire range of audio spectrum. The output is provided at a very low distortion level through step and continuous attenuated control. The uniqueness of this instrument is that stable output frequency can be varied in decades.

Bridge T net-work is used for generating oscillations from 1 Hz to 110 KHz. A high transconductance frame grid pentode is used for efficient operation. Since a cathode follower is employed in stage, the output impedance of the generator is quite low.

The entire unit is housed in a well ventilated sturdy steel cabinet with enamel finish and processed silver grey front panel.



#### SPECIFICATIONS

01. FREQUENCY RANGE : 1 Hz to 110 KHz in decade steps.
02. TUNING METHOD : Switch-selected, 2 significant figures and multiplier.
03. FREQUENCY ACCURACY :  $\pm 1.5\%$  or 2 cycles whichever is greater.
04. OUTPUT WAVEFORM : Sinusoidal.
05. OUTPUT VOLTAGE : 0-10 volts rms through a four step Attenuator, continuously variable in each step by a fine attenuator.
06. SOURCE IMPEDANCE : 600 ohms  $\pm 3\%$ .
07. DISTORTION : Less than 0.1% at 20 Hz to 20 KHz.
08. POWER REQUIREMENT : 230V  $\pm 10\%$  at 50 Hz A.C. Mains.

- \* Weight : 5 Kg. (Approx.)
- \* Dimension : W 290 x H 160 x D 230
- \* Mains ON/OFF switch, Fuse and Jewel light.
- \* 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

##### India Sales

B-28, Fateh Singh Scheme , Opp. Rajputana  
Palace Sheraton, Jaipur-302006, INDIA  
Ph: +141-2375647 / 2379223  
Fax: +91-141-2204481

Email: [omega@sancharnet.in](mailto:omega@sancharnet.in);  
[info@omegaelectronics.net](mailto:info@omegaelectronics.net)  
Web: [www.omegaelectronics.net](http://www.omegaelectronics.net)

##### Mfg./ Export/ Training

28 E & F, Malviya Industrial Area,  
Jaipur-302017, INDIA  
Ph: +91-141-2751136 / Fax: +91-141-2751559  
Mobile: +91-9414072336