



**OMEGA TYPE FG-321** Function Generator has been designed specifically to provide a variety of waveforms over a wide frequency range. This versatile instrument is intended to be useful as general purpose signal source in every laboratory work. This generator is based on XR-2206 monolithic Function Generator integrated circuit. It is capable of producing high quality sine, square and triangular waveforms of high stability and accuracy.

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  | : | 1Hz to 110KHz divided into 5 decade steps, continuous adjustment with linear dial.   |
| 02 WAVEFORMS  | : | Sine, Square, Triangular.  |
| 03 SINE WAVE HARMONIC DISTORTION                          | : | Less than 0.5% over the entire range.  |
| 04 D.C. OUT   | : | 100 mV to 10 V peak to peak (For all waveforms) Impedance 50 ohms $\pm$ 3% Short/Open circuit protected. DC offset level is adjustable from -5V to +5V output with OFFSET control. |
| 05 A.C. OUT   | : | 10 mV to 1V peak to peak (For all waveforms) Impedance 600 ohms $\pm$ 3% Short/open circuit protected.   |
| 06 SYNC. OUT  | : | Square wave 500 mV peak to peak Impedance- 1K ohm $\pm$ 3% Short/Open circuit protected. No DC voltage component present.  |
| 07 D.C. OFFSET  | : | $\pm$ 5V continuously adjustable.  |
| 08 DIAL ACCURACY  | : | Better than $\pm$ 1.5% $\pm$ 1 Hz.   |
| 09 RISE AND FALL TIME                                     | : | Better than 100 ns.  |
| 10 POWER REQUIREMENT                                      | : | 230 V $\pm$ 10% at 50 Hz A.C. Mains.   |
| 11 Weight   | : | 4 Kg. (Approx)   |
| 12 Dimension  | : | W 340 x H 125 x D 210.   |
| 13 Mains ON/OFF switch, Fuse and Jewel light.             |   |  |
| 14 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.

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