

PULSE GENERATOR

OMEGA TYPE PG-312



OMEGA TYPE PG-312 Pulse Generator is a reliable, general purpose pulse generator. The circuit is based on high performance integrated circuits. The main useful feature of this pulse generator is its independent control over both pulse-width and pulse-frequency. It is capable of generating pulse-waveforms over a wide frequency range. It will prove to be useful for general fault finding, circuit design and study of electronic circuits and systems.

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

SPECIFICATIONS

01 PULSE FREQUENCY RANGE :

0.1 Hz to 100 KHz divided into six decades as under

- 0.1 Hz — 1 Hz
- 1 Hz — 10 Hz
- 10 Hz — 100 Hz
- 100 Hz — 1 KHz
- 1 KHz — 10 KHz
- 10 KHz — 100 KHz

02 PULSE WIDTH RANGES:

100 nano Sec to 1 Sec divided into seven decades as under:

- 100 ns — 1 μ s
- 1 μ s — 10 μ s
- 10 μ s — 100 μ s
- 100 μ s — 1 ms
- 1 ms — 10 ms
- 10 ms — 100 ms
- 100 ms — 1 s

All ranges overlap by approx. 15% of the max. nominal range value at either end. This ensures total coverage and ease of use.

03. VARIABLE OUTPUT :

LEVEL = 0-10V P-P Variable PULSE WIDTH=100 ns to 1s as per the above ranges.

04 FIXED NORMAL/INVERTED OUTPUTS

- 4.1 OUTPUT IMPEDANCE : 70 Ohm (HIGH LEVEL), 12 Ohm (LOW Level).
- 4.2 COMPATIBILITY : TTL LOGIC COMPATIBLE.
- 4.3 DRIVING CAPACITY : Max. 10 TTL loads.
- 4.4 RISE & FALL TIME : Better than 10ns unloaded.
- 4.5 POWER REQUIREMENT : 230VAC \pm 10% at 50Hz.
- 06 Weight : 4 Kg. (Approx)
- 07 Dimension : W 290 x H 160 x D 230
- 08 Mains ON/OFF switch, Fuse and Jewel light.
- 09 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