

**Product Name :**

Signal Generator and Amplifier

**Product Code :**

SLE/PHY/130



## Description :

The Signal generator is a robust instrument and can withstand prolonged short circuit for the output.

The earth provided is connected to the physical earth through the power cord; the signal generator output is floating with respect to ground.

Power supply unit with detachable power lead for easy storage

### Technical Specifications :

**Frequency Range:** 0.1 Hz to 99.9 KHz in six decades, read on digital display.

**Frequency Accuracy:** 0.01% (100 ppm) in all ranges

**Output waveform:** Sine, Rectangular and Triangular

**High Impedance Output:** Maximum 17V peak to peak from internal source impedance of 600 $\Omega$

**Low Impedance output:** 6V R.M.S. at 4 $\Omega$  (about 8.8V peak for all waveforms)

Maximum Power output of 4.5W available over the entire frequency range for all waveforms.

Maximum Power Transfer occurs when the load is 4 $\Omega$ , giving  $6^2/(4+4) = 4.5W$

**Frequency Response:** DC to 100KHz, -3 dB, output power 4.5W into 4 $\Omega$  load

**Controls :** All control settings except amplitude are stored and updated upon any changes.

**Amplitude Control:** Variable from zero to maximum output in 256 increments, amplitude is displayed by a 10 segment bar graph

**Attenuation:** x1, x 0.1, x0.01,  $\pm 1\%$ , operating only on the 600 $\Omega$  output.

**Amplifier voltage gain:** 100

**Electric Supply:** 220V~240V, 50Hz

**Dimensions:** approx. 210mm x155mm x 118mm L X W x D

**Weight :** Approx. 2.05kg, without power cord

Internal fuse is T315mA L

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