Email : sales@scilabexport.com
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Product Name :

Signal Generator And Amplifier (European Version)

Product Code :

SLE/PHY/293



Description :

Signal Generator And Amplifier (European Version) (Product Code: SLE/PHY/293) is a power signal generator used to drive loudspeakers, vibrators and other low-impedance loads in physics and electronics laboratories. It spans 0.1 Hz to 99.9 kHz on a digital display with 0.01% frequency accuracy and delivers up to 4.5 W across the whole range for every waveform. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for laboratories on 220 - 240 V, 50 Hz mains.

Specifications

Parameter	Detail
Frequency range	0.1 Hz to 99.9 kHz in six decades, read on a digital display
Frequency accuracy	0.01% (100 ppm) on all ranges
Waveforms	Sine, rectangular and triangular
Maximum power output	4.5 W over the entire frequency range for all waveforms; maximum power transfer into a 4 ohm load
High impedance output	Up to 17 V peak to peak from an internal source impedance of 600 ohm
Low impedance output	6 V RMS at 4 ohm (about 8.8 V peak for all waveforms)
Amplitude control	Zero to maximum in 256 increments, shown on a 10-segment bar graph
Attenuation	x1, x0.1, x0.01 (±1%), on the 600 ohm output only
Amplifier	Voltage gain 100; frequency response DC to 100 kHz (-3 dB), 4.5 W into a 4 ohm load
Settings memory	All control settings except amplitude are stored and updated on any change
Output protection	Withstands a prolonged short circuit on the output
Earthing	Earth terminal connected to physical earth through the power cord; signal output floating with respect to ground
Mains supply	220 - 240 V, 50 Hz
Internal fuse	T315mA L
Dimensions	Approx. 210 x 155 x 118 mm (L x W x D)
Weight	Approx. 2.05 kg without power cord
Product code	SLE/PHY/293
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Power Signal Generator Used For?

Its 4.5
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