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Product Name :

Scaler Timer

Product Code :

SLE/PHY/43



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Description :

Scaler Timer (Product Code: SLE/PHY/43) is a general-purpose counting and timing instrument used for radioactivity counting with a GM tube and for millisecond digital timing in physics laboratories. Its 6-digit bright green LED display holds up to 999,999 counts or seconds, with manual counting or timed counts of 1, 10 or 100 seconds and manual or electronic triggering. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of physics lab equipment in India.

Specifications

Parameter	Detail
Operation	Timer / Scaler
Display	6-digit, bright green LED
Capacity	999,999 counts or seconds
Counting	Manual, or timed counting of 1, 10 or 100 seconds
Timing	Millisecond digital timing with auto ranging on timing modes
Timing inputs	Manually switched start/stop; light gate(s) operated start/stop
GM tube voltage	300 V to 500 V
Voltage check	Press-to-read switch shows the voltage applied to the GM tube
Audible counts	Built-in loudspeaker with on/off switch on the back
Fuse	315 mA (L) slow-blow
Input power	230 V ±5%, 50 Hz
Dimensions	208 x 155 x 115 mm (W x H x D); 187 mm high including handle
Product code	SLE/PHY/43
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Scaler Timer Used For?

In nuclear physics practicals, the Scaler Timer provides the GM tube voltage of 300 V to 500 V, counts each pulse and totals them, so students can measure background radiation, count rate against distance or absorber thickness, and half-life. The press-to-read switch lets them check the tube voltage, and the loudspeaker gives an audible click for each count when a class needs to hear the random nature of decay.

The same unit doubles as a millisecond timer for mechanics, with start and stop triggered by hand or by light gates, which suits timing a falling object, a trolley or a pendulum. Having one instrument serve both the radioactivity and the mechanics practicals is useful for any GM counter set-up in an Indian school or college lab where bench space is limited.

Wha

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