Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Ticker Tape Timer

Product Code :

SLE/PHY/312



Science Lab
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Phone: +91-7082934803

Description :

Ticker Tape Timer (Product Code: SLE/PHY/312) is an electromagnetic timing device used to record the motion of a trolley or falling object as a trail of dots on paper tape, for measuring velocity, acceleration and general timing in school physics labs. An electromagnet drives a striker that marks the tape through a carbon disc at 50–60 Hz, following the local mains frequency, with connections through 4 mm terminal sockets. This mechanics lab equipment item is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Mechanism	Electromagnet activating a striker
Marking method	Dots printed via a carbon disc on ticker tape
Dot rate	50–60 Hz, depending on the mains frequency
Connections	4 mm terminal sockets
Applications	Measurement of velocity, acceleration and general timing
Product code	SLE/PHY/312
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Ticker Tape Timer Used For?

Fix one end of the paper tape to a trolley, thread it under the striker and carbon disc, switch on and release the trolley. Because the striker hits at the mains frequency, the gap between neighbouring dots always represents the same short time, one-fiftieth of a second on a 50 Hz supply. Evenly spaced dots mean steady speed, while gaps that grow along the tape show acceleration.

A popular technique is to cut the tape into strips of ten dot-spaces and stick them side by side to build a tape chart, which works like a speed-time graph. Students then find average velocity from the length of each strip and acceleration from the change between strips. Check whether your mains supply is 50 or 60 Hz before calculating, keep a spare carbon disc handy, and make connections through the 4 mm sockets with the supply switched off.

What to Specify When Ordering

- Your mains frequency (50 or 60 Hz), which sets the dot rate.
- The power supply and 4 mm leads you will connect the timer with.
- How many boxes of carbon discs to include.
- The number of timers, for example one per practical group.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, manufactures the Ticker Tape Timer mark requi

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