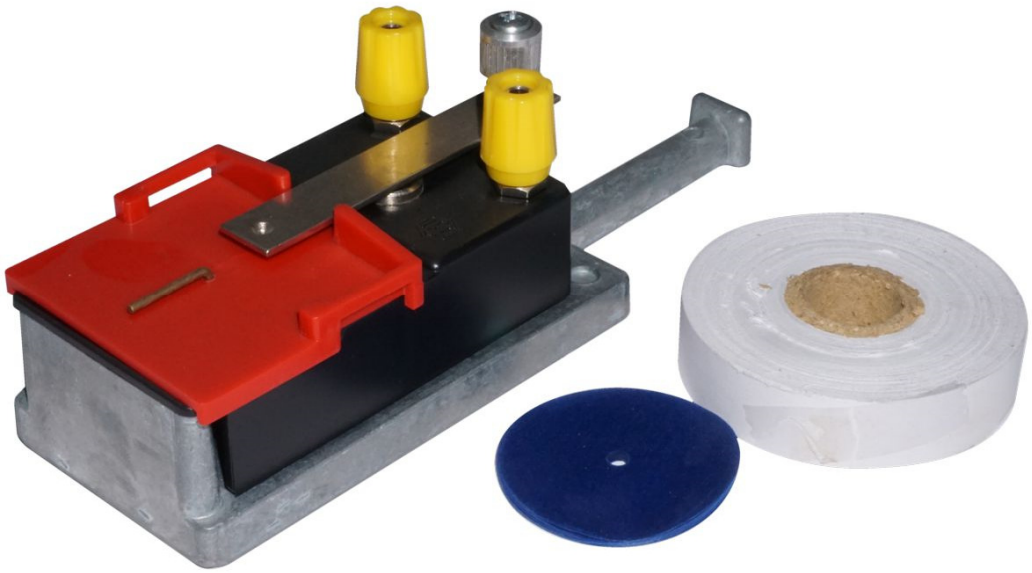
Recording Timer - AC 50hz

Volts: 8V to 12V.AC. Frequency: 50 dots per second.



LB2670-001 (With Paper & Carbon Discs)

Description:

This **AC Recording Timer** is a simple, low cost velocity measuring device that permits a long narrow strip of paper tape, dragged by a moving object, to pass under a carbon paper disc and a vibrating hammer which makes dots on the paper strip. The rate of hammering and the distance between the dots permits velocity to be calculated.

The Kit Consists Of:

- 1 pce. Recording timer, with hammer and platform.
- 1 roll/30m White paper tape PA2670-005
- 1 pack/25 Carbon paper discs. PA2670-007

Important Features:

The heavy base and the rubber feet makes the timer stable on the table and clamps are not required. The extension rod allows the timer to be held vertically by a retort stand and the knob at the end is for safety by stopping the timer from falling through the support clamp if it becomes loose.

Length:175	Width: 60	Height: 60	Weight: 0.65kg

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Construction:

This velocity recording instrument is mounted on a heavy base with rubber feet so that it can rest securely on a table and not require clamping down. When used for vertical falling measurements, the instrument can be held above a bench by a retort stand using a boss head to clamp the stem of the recording timer to the retort rod.

The nickel plated hammer is positioned on the strong platform and its pivot stiffness is adjustable to obtain the best vibrating action. To save paper tape, the platform is adjustable back and forth so that for different runs, the hammer can place several rows of dots on the one width of paper tape. A special pin in the platform permits the positioning of a carbon paper disc which provides the dark dots that will appear on the paper tape.

Operating Instructions:

The AC Recording Timer is designed to operate at between 8V and 12V.AC. 50 Hz.

Adjusting the Timer:

Connect terminals to an AC. power supply or transformer and the hammer should begin to vibrate. At the hammer's pivot point, screw down the pivot clamp nut to compress the rubber pivot until the hammer does not quite strike the platform. Back off the nut until the hammer JUST strikes with a regular note. This is the correct setting.

Note:

If the hammer strikes the paper too strongly, it will bounce up to 3 times per strike.

Loading:

Place the recorder on a flat surface. Thread the paper tape through the guides on the platform. Thread a carbon disc over the pin provided and let it rest under the hammer and over the paper with the carbon printing surface facing down resting against the paper tape. Each time the hammer hits the carbon paper, it will leave a dot on the paper at a rate of 50/sec. As the paper strip is pulled through, the distance between the dots measures velocity. e.g: 1cm pitch between dots is a velocity of 50cm per second.

Spares:

- PA2670-007 Carbon Discs pk/25
- PA2670-008 Carbon Discs pk/100
- PA2670-005 Paper Roll 30 metre
- PA2670-006 Paper Roll 180 metre

Designed and manufactured in Australia