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Tangent Galvanometer (ELP.111.248)

The bakelite ring or bobbin, 162.5 mm overall diameter wound with three coils of insulated 'copper wire with 2, 50 and 500 turns mounted on black bakelite moulded platform fitted with 4 terminals, rotating on a tripod non-magnetic metal base, supported by brass levelling screws. Complete with compass box (Magnetometer) mounted at the centre of the ring.



Compass box (Magnetometer) (ELP.111.249)

Spare, For tangent galvanometer.



BALLISTIC GALVANOMET (ELP.111.250)

For measurement of small quantities of electrical charge. Reflecting mirror type model. The moving coil is suspended by a phosphor bronze strip, which carries an optically true concave mirror. The coil can be raised or lowered or set to zero by an adjusting knurled knob at the top. A knob at the back is provided for clamping and releasing the coil. A link high resistance is provided to make the Galvanometer periodic, Levelling screws are provided for balancing the coil.

Type	Resistance of coil	Period	Sensitivity (Microamp)	Cat Damp Resistance (Ohm)
.01	115 ohms	10-12. Sec.	1000	2000
.02	500 ohms	10-12. Sec.	1400	3500



Galvanometer, spot reflecting (ELP.111.251)

Suitable for industrial kelvin double bridge and senior kelvin double bridge. Galvanometer resistance 125 ohm, nominal sensitivity is 5 x 10 amp. per mm. scale division, time period 2 secs., critical damping resistance 1000 ohm and working voltage is 230 volts a.c. 50 Hz.



LAMP AND SCALE OUTFIT (ELP.111.252)

Suitable for use with reflecting galvanometer Lamp housing is provided with universal adjustment in any direction and fitted with 6 Volts lamp which is workable on 230 volts a.c. with the help of transformer step-down provided in base duco finish or workable with 6 volts accumulator, for this two terminals are provided on the base. To have quick and accurate focusing rack and pinion is provided. The universal lamp and scale is fitted on heavy base with chrome plated rod. Complete with Perspex scale calibrated in mm 250-0-250 mm and 0-500 mm. The scale carrier is the new improved design permitting lateral adjustment and provides full scale view over the entire length.

Galvanometer, Taut suspension (ELP.111.253)

The coil is supported by taut top and bottom whether in clamped or released position. The galvanometer pointer with a knife edge moves over a horizontal scale having a sensitiveness of 1 microamp. per division. Resistance of the Coil is 20 ohms. It is fitted with levelling screws and also provided with an arrangement at the top for clamping and releasing the coil.

Effective Laboratory Supplies



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PHYSICS



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Galvanometer EDspot (long scale galvanometer) (ELP.111.254)

The movement which has pre-twisted suspension and anti vibration stops, is oil damped and enclosed in a metal case. It is protected against overload. Read out is given by a bright circle of light (through a bulb) on a 180 mm. scale divided in mm. and marked 0-18 and 9-0-9 for left hand or centre zero operation. There are two 4 mm. socket terminals for input. Calibration accuracy $\pm 1\%$.



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