



Practical Electricity and Magnetism (Paperback)

By John Henderson

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1904 Excerpt: . a constant depending on the torsion control and winding of the instrument, and must be determined experimentally for the dynamometer. 175. Determination of the Constant of the Dynamometer.--To determine the constant K, we must send a known current through the instrument, and find the angle of torsion f , required to bring the suspended coil back to zero. The current may be measured by means of a current balance, standard galvanometer, or voltmeter. The dynamometer, after having been levelled as described, is connected in series with a variable resistance, secondary battery, voltmeter, and break-circuit key. The current is first adjusted until the deflection of the torsion head required to produce equilibrium is pretty large, the instrument being much more sensitive at high than at low readings, since the squares of the readings increase less rapidly at high than at low values. The voltmeter plates are then...



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