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Home Study Course in Practical Electricity; An Electrical Catechism .

By William Hiram Radcliffe

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. 1916 Excerpt: .of the disk is exactly proportional to the torque. The retarding element consists of two permanent magnets mounted on that side of the meter diametrically opposite to the field coils and between the poles of which the metal disk of the moving element rotates. The magnet poles develop an electromotive force between the inner and outer parts of the disk that sets up eddy currents in it which consume the power passing through the field magnet coils. The registering-mechanism comprises the dials, pointers and the gear wheels necessary to secure the required reduction in speed to enable the dials to register directly in watthours. A power factor adjustment consisting of a shortcircuited loop of variable resistance enclosing part or all of the shunt field flux, and acting like the secondary of a transformer, enables the phase angle between the shunt and series field currents to be...



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