



The Testing of Continuous Current Machines in Laboratories and Test-Rooms Volume 1; A Practical Work for Students and Engineers

By Carl Kinzbrunner

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. 1905 Excerpt: .plotting the sum of the voltages between the consecutive bars against the position of the bar, since, with the windings mentioned above, the potential curve is equal to the sum of the field curves. EFFICIENCY Introduction As in the case of other transformations of energy, in the conversion of electrical into mechanical, or vice versa, losses arise which, with dynamos and motors, are of an electrical (magnetic) and mechanical nature. The value of these losses (i.e. the determination of efficiency) is, from the reasons given in Chapter III., of great importance. Though from a commercial point of view the knowledge of the total efficiency is quite sufficient, it is very important for the designer of an electric machine to know how the total losses arising in a machine are comprised. We shall therefore not only deal with the various methods for the determination of efficiency of...

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