



School of Practical Electricity (Paperback)

By Milwaukee School of Engineering

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. 1919 Excerpt: .For very accurate results, allowance must be made for heterogeneous materials as, for example, for ordinary annealed sheet steel where the magnetic circuit consists of approximately 90 steel and 10 is scale, as these two materials have different magnetic properties. For general use sheet steel is considered as homogeneous, and a constant r or X used for the whole volume, in which ease the error is such that at high inductions the actual losses will be greater than the calculated losses. Calculating hysteresis losses involves a thorough knowledge of the materials and their previous history as many factors enter into the magnetic properties of materials. Hysteresis, besides depending primarily on the maximum induction, residual and coercive force, depends on the physical condition and chemical composition of the material which also involves heat treatments, etc. It has been found that by introducing certain amounts of manganese, we obtain...

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