



Transformer Practice: Manufacture, Assembling, Connections, Operation and Testing (Classic Reprint) (Paperback)

By William Thomas Taylor

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Transformer Practice: Manufacture, Assembling, Connections, Operation and Testing The development of the alternating-current transformer dates back about 25 years. At that time very little was known regarding design for operation at high voltages, and the engineer of the present day can scarcely realize the difficulties encountered in the construction of the early transformers. The high-voltage transformer made long-distance transmission work possible, and the increased distances of transmission stimulated the design of large transformers. In the early days of transformer development as many as 15 to 20 transformer secondary windings have been connected in series to facilitate the operation of a long-distance transmission system, the maximum rating of each transformer being not greater than 10 kw. However, a method of constructing large transformers has long been devised by which an enormous amount of power may be transformed in a single unit. Such designs embody principles of insulation for high voltages and various methods for maintaining a low operating temperature. Ten years ago a 500-kilowatt unit was considered to be a large size of transformer. The history of ten...



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