



Electrical Measurements and Meter Testing (Classic Reprint) (Paperback)

By David Penn Moreton

Forgotten Books, United States, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Electrical Measurements and Meter Testing Electricity. - The exact nature of electricity is not known, yet the laws governing its action, under certain definite conditions, are well understood, just as the laws of gravitation are known, although we cannot define the constitution of gravity. Electricity is neither a gas nor a liquid; its behavior sometimes is similar to that of a fluid, so that it is said to flow through a circuit. It must be understood that this expression of flowing does not mean there is an actual movement of something in the wire, similar to the flow of water in a pipe, when it possesses electrical properties, but is simply a convenient expression for the phenomena involved. Many an electrical problem can be easily understood by a comparison with a similar hydraulic problem, where the relation of the various qualities and the results are apparent under the existing conditions; and, on account of the similarity of the two, the hydraulic analogy will often be used to illustrate what is supposed to take place in the electrical circuit. Electrical..



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