Principles and Methods of Temperature Measurement: Quick Book

By A Bhatia

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Temperature is a principle parameter that needs to be monitored and controlled in most engineering applications such as heating, cooling, drying and storage. Temperature can be measured via a diverse array of sensors. All of them infer temperature by sensing some change in a physical characteristic be it a thermal expansion, thermoelectricity, electrical resistance or thermal radiation. There are four basic types of temperature measuring devices, each working on a different principle: 1.Mechanical (liquid-in-glass thermometers, bimetallic strips, bulb capillary, pressure type etc.) 2.Thermocouples 3.Thermo-resistive (RTDs and thermistors) 4.Radiative (infrared and optical pyrometers) Each of these will be discussed in this 2 hours learning module. The course is written in user friendly language and the theoretical equations are kept minimum. The basic aspects are discussed wherever deemed fit. This course is aimed at electrical, instrumentation control engineers, energy auditors, O M professionals, contractors, estimators, facility managers and general audience. This course includes a multiple-choice quiz at the end, which is designed to enhance the understanding of the course materials. Learning Objective Upon completing the course, you will: Learn various...

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