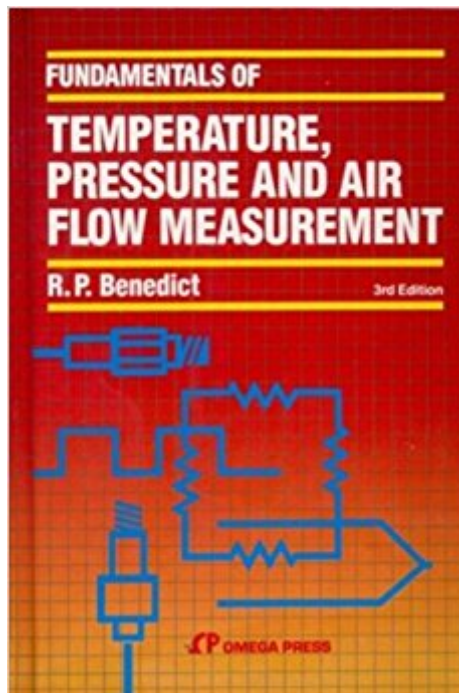




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Fundamentals Of Temperature, Pressure And Flow Measurements



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Book Information

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Customer Reviews

The determination of machinery performance depends on an engineer's understanding of measurement theory and technique. This self-contained guide to the measurement of temperature, pressure, and flow rate presents the latest standards and industrial practices. It shows how measurement techniques were developed and then applies them to many practical cases through completely worked-out numerical examples. The book deals with all types of sensors and transducers, detailing construction, installation, supporting electronic circuitry, calibration, response time, and recovery factor for each type of sensor. This Third Edition incorporates important changes that have occurred during the past decade. It treats revisions in the International Practical Temperature Scale that have affected all thermometry. New thermocouple reference tables that correspond to standard equations issued by the National Bureau of Standards are given. Other new materials include: thermocouple analysis; temperature response; pressure tap errors; ASME discharge coefficients; and expansion factors. The chapter on measurement uncertainties and

statistics has been completely revised in accord with the latest national standards because of the increasing importance of determining Best Values and Confidence Intervals. Numerous tables and graphs provide a wealth of supporting data never before assembled in so concise a form. Engineers, physicists, chemists, technicians, and students will find this a thorough review of fundamentals and techniques for measuring temperature, pressure, and flow rate.

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The information in this book has been very helpful. It is great for work and specially if you going for the ISA Certification.

I don't remember what I paid for this book when I bought it years ago, but it had to have been significantly less than the current asking price or I would not have bought it. It is a college level text, which in many areas makes you wish you had a Professor to bounce questions off of. In other words, it rips along at a rapid pace in places, which can lead to confusion. The level of theory developed for temperature and pressure is better than I have found in most publications but the flow section is inferior to other flow specific texts (like the Flow Measurement Engineering Handbook). It

is not a bad text, but is definitely not worth the asking price!!!

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