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Nota di contenuto	Introduction; Basics of measurement; Measurement errors and uncertainty; true values, errors and uncertainty; Analogue signal conditioning; Digital signal conditioning; Analogue to digital and digital to analogue conversion; Measurement; thermal and optical quantities, magnetic quantities time and time-related quantities; Measurement of mechanical quantities; Imaging instruments; Worked examples
Sommario/riassunto	This volume, from an international authority on the subject, deals with the physical and instrumentation aspects of measurement science, the availability of major measurement tools, and how to use them. This book not only lays out basic concepts of electronic measurement systems, but also provides numerous examples and exercises for the student. Ideal for courses on instrumentation, control engineering and physics Numerous worked examples and student exercises