

1. Record Nr.	UNINA9910816807103321
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Titolo	Measurement and instrumentation : theory and application // Alan S. Morris, Reza Langari
Pubbl/distr/stampa	Waltham, MA : , : Academic Press, , [2012] ©2012
ISBN	1-280-58225-1 9786613612038 0-12-381962-8
Descrizione fisica	1 online resource (640 p.)
Disciplina	681
Soggetti	Measurement Automatic control Engineering instrument
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Introduction to Measurement; Types of Instruments and Performance Characteristics; Errors During the Measurement Process; Calibration of Measuring Sensors and Instruments; Data Acquisition with LabVIEW; Signal Processing with LabVIEW; Electrical Indicating and Test Instruments; Display, Recording and Presentation of Measurement Data; Variable Conversion Elements; Signal Transmission; Digital Computation and Intelligent Instruments; Measurement Reliability and Safety Systems; Sensor Technologies; Temperature Measurement; Pressure Measurement; Flow Measurement; Level Measurement; Mass, Force and Torque Measurement; Translational Motion Transducers; Rotational Motion; Appendix A Conversion Tables Between Imperial and SI Units; Appendix B Thevenin's Theorem; Appendix C Thermocouple Tables.
Sommario/riassunto	Measurement and Instrumentation introduces undergraduate engineering students to the measurement principles and the range of sensors and instruments that are used for measuring physical variables. Based on Morris's Measurement and Instrumentation Principles, this brand new text has been fully updated with coverage of

the latest developments in such measurement technologies as smart sensors, intelligent instruments, microsensors, digital recorders and displays and interfaces. Clearly and comprehensively written, this textbook provides students with the knowledge and tools, incl

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