Record Nr. UNINA9910830785303321 Sensors . Volume 7 Mechanical sensors [[electronic resource] /] / edited **Titolo** by H.H. Bau, N.F. deRooij, B. Kloeck Pubbl/distr/stampa Weinheim: New York,: VCH, 1994 **ISBN** 1-282-01058-1 9786612010583 3-527-62020-6 3-527-62072-9 Descrizione fisica 1 online resource (686 p.) Altri autori (Persone) GopelW HesseJ ZemelJay N 620.0044 Disciplina Soggetti **Engineering instruments Detectors** 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 indexes. Mechanical Sensors; Contents; List of Contributors; 1 Introduction; 2 Nota di contenuto Thermoelectric Microsensors and Microsystems: 3 Strain Gage Sensors: 4 Capacitive Sensors; 5 Piezoresistive Sensors; 6 Hall Sensors; 7 Resonant Sensors: 8 Ultrasonic Nonresonant Sensors: 9 Sensors for Measuring Acceleration; 10 Sensors for Measuring Density and Viscosity; 11 Sensors for Measuring Flow; 12 Sensors for Measuring Force; 13 Sensors for Measuring Torque; 14 Sensors for Measuring Pressure; 15 Sensors for Measuring Stress; 16 Sensors for Measuring Sound; Index; List of Symbols and Abbreviations Sommario/riassunto 'Sensors' is the first self-contained series to deal with the whole area of sensors. It describes general aspects, technical and physical fundamentals, construction, function, applications and developments of the various types of sensors. This volume contains the physical and technical fundamentals of mechanical sensors, and contains and assesses the various types of sensors for particular applications. Of interest to engineers, physicists, chemists and others involved in sensor technology.