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## Introduction to Transducers

By Arun K. Ghosh

Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Introduction to Transducers, Arun K. Ghosh, Primarily intended as a textbook for undergraduate courses in applied electronics and instrumentation engineering, instrumentation and control engineering, electrical and electronics engineering and electronics and telecommunication engineering, this student-friendly book provides an in-depth coverage of transducers. Organised in 12 chapters, this title: Presents a comprehensive classification of transducers based on common properties such as mechanical, resistive, inductive, capacitive, piezoelectric, magnetic, fibre-optic, ultrasonic and electrochemical Discusses the general principles of each group, presenting their applications in sensing physical quantities such as pressure, temperature and so on Outlines the distinguishing features of transducers and elaborates on modern sensors based on optical fibres (intensity modulated, phase modulated and spectrally modulated sensors such as Bragg grating, Fabry-Pérot interferometer, Brillouin scattering sensor) and sensors based on surface acoustic wave Contains numerous solved examples and review questions that illustrate the application of theory to reinforce concepts.



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