

FLOW MEASUREMENT HANDBOOK

Flow Measurement Handbook is a reference for engineers on flow measurement techniques and instruments. It strikes a balance between laboratory ideas and realities of field experience and provides practical advice on design, operation and performance of flowmeters.

It begins with a review of essentials: accuracy, flow, selection and calibration methods. Each chapter is then devoted to a flowmeter class and includes information on design, application, installation, calibration and operation.

Among the flowmeters discussed are differential pressure devices such as orifice and Venturi; volumetric flowmeters such as positive displacement, turbine, vortex, electromagnetic, magnetic resonance, ultrasonic and acoustic; multiphase flowmeters; and mass meters such as thermal and Coriolis. There are also chapters on probes, verification and remote data access.

Roger C. Baker has worked for many years in industrial flow measurement. He studied at Cambridge and Harvard Universities and has held posts at Cambridge University, Imperial College and Cranfield, where he set up the Department of Fluid Engineering and Instrumentation. He has held visiting professorships at Cranfield and Warwick University.

Flow Measurement Handbook

INDUSTRIAL DESIGNS, OPERATING PRINCIPLES,
PERFORMANCE, AND APPLICATIONS

Second Edition

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