Flow

Davis Controls®

800-701-7460
www.daviscontrols.com

ABB

ABB's knowledge about flow measurement and management is unmatched;

- Innovative range of products that is unsurpassed in the number of proven measurement techniques
- Accurate and reliable gas measurement products that supply a detailed audit trail for customers
- Advanced signal processing provides outstanding measurement performance with long-term stability
- Proven to be tough, reliable and incredibly easy to work with, saves resources at every stage of the lifecycle

Coriolis Mass Flowmeters: CoriolisMaster is the universal solution to measure flow, density and temperature, even for non-conductive fluids.

Flow Measurement Accessories: Simulators and remote configuration tools.

Primary Flow Differential Pressure Products: Flowmeters for tough applications; high pressure, abrasive slurries, subsea etc.

Thermal Mass Flowmeters: Gas flow measurement without need for pressure or temperature compensation.

Vortex Flowmeters: Best-in-class steam flow measurement with short upstream and downstream piping requirements.

Electromagnetic Flowmeters: High accuracy measurement of conductive fluids for small to large diameter pipe sizes.

Flow Measurement Communication & Configuration Products: Advanced flowmeter communication, configuration and validation tools.

Swirl Flowmeters: Swirl flow can be utilized for highly accurate measurement of the flow of gases, liquids and steam over a wide range of temperatures in almost any application. Swirl meters are ideal for use on petrochemical raw materials, demineralized water and for direct, cost-effective steam mass flow by employing integral temperature measurement.

Variable Area Flowmeters: Low cost flow measurement for liquids, gas and steam.

FLEXIM
when measuring matters

As the technological leader in the field of non-invasive ultrasonic flow measurement with ultrasound, FLEXIM clamp-on ultrasonic measurement systems (FLUXUS) measure virtually anything that flows, liquids as well as gases. Clamp-on ultrasonic transducers are simply attached to the outside of the pipe – without any interruption to operation or any risk of leakage. Clamp-on ultrasonic technology is also suitable for the purposes of process analytics, such as for non-invasive concentration measurement. And with the PIOX R process refractometer, FLEXIM has developed a unique optical instrument that has proven itself worldwide in industrial applications.

Flow





Gems™ Sensors & Controls

Flow Switches – Gas Flow & Liquid Flow Switch

Gems™ line of flow switches feature a broad range of configurations for use in liquids or gases. Material choices, ranging from stainless steel to Ryton offer vast chemical compatibility. Versions include switches with fixed or adjustable actuation settings, models for viscosity compensation or high pressures, in-line models and designs to satisfy any mounting or space requirement.

The versatile Gems flow switch line utilizes four basic operating principles. Piston types are designed for low flow rates in gases and liquids from 50 cc/min to 20 GPM. Shuttle models are for use with high flow rates from .5 GPM to 100.0 GPM. Paddle models are for large line sizes from 1.25″ (32 mm) and up. Electronic switches encompass state-of-the-art electronics and positive visual indication.

1988 — 2013 EPI Anniversary 25th

Eldridge Products, Inc. (EPI™) manufactures the Master-Touch™ and ValuMass™ thermal mass flowmeters & sensors for the measurement of virtually any gas or gas mixture. The measurement of gas flows can be an integral part of plant and process operation, a requirement for environmental reporting, a part of energy and cost savings efforts, or all three.

FLOMEC®

Great Plains Industries, Inc. is respected globally for its high quality fuel transfer pumps, fuel meters, flowmeters and Industrial instrumentation for fluid transfer pump and liquid flowmeter markets around the world. The GPI®, FLOMEC® and GPRO® brands serve Industrial, Commercial and Retail customers in many applications: fuel, agriculture, chemicals, manufacturing, construction, mining, oil and gas, and many more.

INTEK

Manufacturer of highly accurate and reliable flow measurement systems, capable of operating at low flow rates and compatible with most industrial chemicals and gases.

- **Rheotherm** flow instruments: flowmeters and flow switches
- **RheoVac** systems and services for power plant condensers

Rheotherm flow meters are an excellent and often times the only choice for reliable liquid flow measurement at low flow rates. For flow rates from 1 gallon/year (10 cc/day) to a few GPM, they provide repeatable liquid flow measurement with little or no maintenance. Options for hazardous locations (intrinsically safe/ explosion-proof) are available.

Intek flowmeters use either a straight-through or looped flow tube with a heated and an unheated RTD attached to the outside of the tube. The temperature differential between the two RTDs provides the primary flow signal. At high flow rates the differential is lower as flow removes heat more readily. At low flow rates the differential is higher because less heat is removed. Nothing touches the fluid except the flow tube wall and there are no mechanical parts to wear, stick or break.

SIKA®

Reliable and precise measurement, control and calibration technology for flow, level, temperature, pressure and force.


Davis Controls®

800-701-7460

www.daviscontrols.com