

FLOW MEASUREMENT SOLUTIONS



Flow Measurement Solutions



ABLE Turbine Flow Meters

Features

- High accuracy, reliability and durability
- Fast delivery, standard sizes in stock
- Electrical pulsed output
- Flow rate indication, alarms, totalising and batch control
- Lubricating or non-lubricating liquids of low to medium viscosity
- Not sensitive to density variations, pressure or temperature fluctuations.



ABLE Variable Area Flow Meters (Rotameters)

Features

- Suitable for the measurement of most liquid and gas flowrates
- Screwed or Flanged Connections
- High Visibility Scale
- Upgradeable Output Devices
- Independent 4 to 20 mA Output
- Hazardous area use
- High Working Pressures
- Repeatable Performance



ABLE Flow Switches and Indicators

Features

- High pressure and specialist units for flameproof applications for offshore oil and chemical industries
- Chemical Dosing Pumps Monitoring
- Small flow rate monitoring
- High flow paddle switches for large flows in pipework 1" to 10"
- Gravity flow switches for monitoring the output of water quality analysers



ATEX Portable Ultrasonic Flow Meter

Features

- World's first ATEX approved portable ultrasonic flow meter
- Non contact (non intrusive), clamp on design
- 24 hour operation from single charge. Optional battery pack available
- Pipe sizes ranging from 12mm to 10 metre outside diameter
- High accuracy
- Unique WideBeam® technology



Ultrasonic Clamp on Flow Meters

Features

- Non contact (non intrusive), clamp on ultrasonic flow meter
- Portable and fixed installation ultrasonic flow meters available
- Clean and dirty liquid and gas ultrasonic flowmeters
- Pipe sizes ranging from 12mm to 10 metre outside diameter
- High accuracy. Greater than +/-0.5% devices available as well as intrinsically safe equipment suitable for use in hazardous areas
- Unique WideBeam® technology



ABLE SlugMaster® Dual Technology Flow Meter

Features

- Designed for difficult slug, plug and partial empty pipe flow metering applications
- Unique dual technology ultrasonic flow meter
- Multiphase versions available for dual and three phase flow metering
- High accuracy
- Requires minimal straight pipe
- Clamp-on, no pressure loss
- Ideal for applications with varying levels of aeration, solids, coatings and pressure surges



McCrometer Differential Pressure V-Cone[®] Flow Meter

Features

- Flowmeter accuracy to +/- 0.5%
- Flowmeter repeatability to +/- 0.1%
- Wide flow range
- Preconditions flow
- Requires minimal straight pipe
- Low head loss, Low maintenance
- No recalibration



ABLE Cargo Transfer Fiscal Metering

Features

- Export, Allocation & Duty fiscal flowmeter system
- Unrestricted flow throughput
- Developed for FPSO, FSU, semi-sub or fixed production platform use
- Significantly reduced capital and engineering costs over conventional metering skid and prover loop systems
- Maintenance free design



Rheonik Coriolis Mass Flow Meters

Features

- Unique Omega tube design mass flowmeter
- Increased wall thickness, no need for secondary containment
- Measurement of liquids and gas
- Flow rates from 0.001 kg/min to 25000 kg/min
- Diameters up to 12 inch / DN 300
- Pressure over 890 bar.
Temperature from -200°C to +400°C
- Available in EEx ia IIC - EEx de IIC (ATEX and CSA)
- Fiscal approval (OIML R117)
- Available in Stainless Steel, Hastelloy, Tantalum and others



Fluenta Flare Gas Flow Meters

Features

- Ultrasonic Flare Gas Flow Meter
- 0.03 m/s to 100 m/s
- High Turndown (3320:1)
- Uncertainty: $\pm 2,5\%$ - 5%
- Automatic Gain Control (AGC)
- Digital Signal Processing (DSP)
- Flow measurement up to 100 m/s
- Software based user interface (Operator Console)



Velocity Averaging Flow Meters

Features

- Accurate, reliable technology for measuring gas, liquid and steam
- Low operating and installation costs
- Solid one-piece construction developed from aerospace technology
- Superior sensor design offers greater resistance to clogging
- Face surface provides lower drag and extended turndown



Kamstrup Energy Flow Meters

Features

- All purpose meters available for heat and cooling applications
- Residential or industrial energy metering
- Prepayment cards available for housing associations
- Data logging, tariff control, PQ controller and leak detection
- Thermal energy metering in industrial control
- Compact meters available for heating installations in houses, offices or light industry





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ABLE Instruments & Controls Limited is a leading global supplier of process instrumentation and control solutions for physical measurement of: **level, flow, pressure, temperature, oil in water, humidity, moisture, gas analysis, liquid analysis, density and light.**

Services also include **building management and automation** solutions including: **Relative Humidity (RH) Sensors, Temperature Sensors, Light Sensors, Electricity Meters, Water Meters and Energy Meters** for chilled or hot water applications.