

Company Overview

Consult the specialists

Made to Measure for all Applications

When flow measurement is critical, consult the specialists. Litre Meter has been leading the field since 1975, with a well-established reputation for the design, manufacture and supply of flowmeters of all kinds.

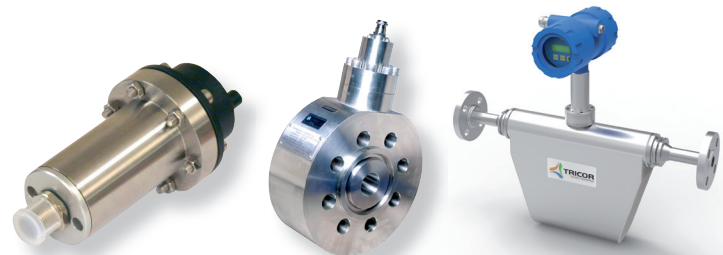
Litre Meter pioneered the development of the Pelton wheel flowmeter: an accurate, effective and versatile design suitable for many different fluids including acids, chemicals, fuels, water and hot fats, at both high and low flow rates.

In addition we have developed the VFF meter to compliment the range. specially designed for low flow and high pressure applications for the offshore industry.

Our portfolio now includes flowmeters of all kinds, including rotary meters, gas flowmeters, helical screw flowmeters, electro-magnetic and ultrasonic flowmeters to handle a wide range of viscosities, flow rates and pressures, aggressive liquids and hazardous or adverse environments. We have particular expertise in measuring low flow rates and flows at high pressure.



Precision measurement and total control of fluid flow



Offshore Oil & Gas

- Chemical injection with any fluid
- Hydraulic line monitoring for well control valves and leak detection
- Wash water measurement
- Chemical injection and general metering of low and high viscosity fluids
- Fiscal and custody transfer measurement of natural gas and liquid hydrocarbons

Automotive/aviation test rigs

- Fuel flow measurement
- Diesel injection test flows at very low flows
- Aviation fuel injection flows
- Aviation hydraulic fluid measurement

Plastics & Rubber

- Ratio measurement of the constant fluid flow in expanded foam manufacture
- Two part chemical addition control in automatic glue dispensing
- Measurement and batching of high viscosity polyols and aggressive amines

Mass Gas applications

- Manufacturing quality control leak testing
- Emissions measurement
- Biotech fermentor gas control
- Pharmaceutical inhaler test equipment
- Cooling and purging air in semiconductor manufacturing

General Process

- Measurement of any process fluid or gas
- Low to high viscosity
- Pressures to 4000 bar
- Temperatures to 450°C
- Hazardous area certification available

Precision Flow Measurement For Every Process Application



● **VFF Range Rotary Piston**

Rotary Piston VFF (Viscous Fluid Flowmeter)

- Suitable for low & high viscosity liquids at pressure rating up to 4,000 bar (60,000 psi). Most units rated to 414 bar (6,000 psi) as standard
- Single moving part provides a robust and low maintenance technology
- Optionally submersible to 3,500m
- Flow rates from 0.0001 l/min to 540 l/min across the VFF range up to 11,250:1 turndown
- Exceptional low flow ability and rangeability



● **KEM ZHM Gear meter**

Pelton Wheel flowmeter

- Suitable for low viscosity liquids, at pressure from 5 to 2,068 bar (30,000psi)
- Provides high turn-down as standard
- Accommodates low flow rates, from to 0.004 l/min to 500 l/min and higher
- Intrinsically safe option available



● **LM Range Pelton Wheel**

Gear Flowmeter

- Designed for medium and high viscosity liquids
- Accurate to within +/- 1% of reading
- Flow rates from 0.005 l/min to 1,000 l/min

Helical screw positive displacement flowmeter

- Designed for low and high viscosity liquids
- Highly accurate to within +/- 0.5% of reading
- Flow rates from 0.4 l/min to 400 l/min



● **KEM SRZ Helical**



● **Euromag flowmeter**

Electro-magnetic flowmeter

- No moving parts
- Accepts particulate matter up to and including slurry flow
- Flow rates from 0.004 l/min to 4 million l/min across the range

Turbine flowmeters

- Line sizes from 4mm to 250mm/10"
- High accuracy $\pm 0.5\%$ linearity for hydrocarbon fiscal measurement
- Available in a wide range of materials and end connections



● **Turbine flowmeter**



● **Ultrasonic flowmeter**

Ultrasonic flowmeters

- Clamp on, non-intrusive technology provides solution for a wide range of applications
- Low installation effort and cost
- One meter for a wide range of pipe diameters

Vortex flowmeter

- In-line and insertion meters available, -200°C cryogenic up to +400°C
- Available for either steam, liquid or gas applications
- Selectable outputs for five process parameters in one integrated meter: mass flow rate, volumetric flow rate, temperature, pressure, density



● **Vortex flowmeter**



● **Thermal Gas Mass Flowmeter**

Thermal Mass Gas Flowmeters and Controllers

- For measurement of mass directly, not requiring measurement and computation of pressure and temperature
- Wide measurement range from 0.4 sccm to 150NMPa (using insertion meters)
- High pressure capability

Volumetric Gas flowmeters

- High turn-down as standard: range from 1 ml/hr to 160,000 l/hr
- Durable construction for extremely corrosive gas measurements
- High accuracy (+/- 0.2% of reading)



● **Ritter TG gas meter**



● **Tricor**

Tricor Coriolis Mass flowmeters

- Direct reading of mass flow rate, up to 65,000 kg/hr
- No moving parts, 1/8" to 2", density and volume outputs
- Very high accuracy (+/- 0.1% of reading)

Instrumentation

- A comprehensive range of instruments to support all flowmeters
- Provides rate, total and batching measurements
- Analogue, Pulse, Flow alarm, RS232, RS485, Modbus, HART and Fieldbus outputs available
- Suitable for all industrial and hazardous areas – available in Exi and Exd options with UL, FM, IECEx, ATEX and INMETRO approvals



● **FPod Instrument**