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## Ultrasonic Flow Meters

Large turndown ratio, no pressure drop, no moving parts, no drift

### Sentinel | Custody Transfer, Allocation, Leak Detection | accuracy 0.1%

Critical liquid measurement applications



**Sentinel LNG Liquid Flow Meter**

- Cryogenic or high temperature
- Custom metallurgy available



**Sentinel LCT4**

- 4 path meter for liquid custody transfer or leak detection



**Sentinel LCT8**

- 8 path meter for liquid custody transfer or leak detection

### PanaFlow | Process Flow Meters | accuracy 0.5%

Cost-effective ultrasonic flow measurement. Ideal for process applications.



**Panaflow Z1G/Z2G**

- 1 & 2 path configurations
- High performance gas meter



**Panaflow Z3**

- 3 path liquid flow measurement



**Panaflow LZ**

- One or two-path liquid wetted system



**Panaflow HT**

- Large temp range
- SIL-rated for hazardous areas
- Ideal for resid applications

### Clamp-on | accuracy 1.0%

Cost-effective ultrasonic flow measurement. Ideal for process applications. No risk of leaks.



**Transport PT878GC**

- Portable ultrasonic gas flowmeter
- Rugged industrial design



**Transport PT900**

- Easy to use, portable liquid flowmeter
- Display data and program from a tablet or smart phone



**Aquatrans AT600**

- One path liquid meter
- Works with wide range of pipe materials
- Easy installation



**DigitalFlow GC868**

- Permanent Gas Clamp-On
- Suitable for a wide range of temperatures and pressures
- Two-channel/two-path version available



**PanaFlow LC**

- Permanent Hazardous Area liquid clamp-on
- Improved accuracy & repeatability

### Flare Solutions

The industry's first and leading monitoring solution.



**Digitalflow GF868**

- Worldwide leader in ultrasonic flare gas



**Flare.IQ**

- Advanced flare control platform

### Steam



**Digitalflow GS868**

- Mass flow rate for your complete steam flow range.

### Flow Services

- Regulatory meter evaluations and verifications
- Preventative maintenance
- Flow measurement surveys
- CFD to overcome straight run challenges
- Training available



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## Analyzers

### Oxygen | Gas Analysis: Process Analyzers



**oxy.IQ**

- Galvanic fuel cell technology
- PPM or % oxygen analysis
- Hydrocarbon process designs



**XMO2**

- Thermoparamagnetic technology
- Process oxygen measurements
- Explosion proof



**XMTC**

- Binary gas thermal conductivity
- Low-maintenance
- Explosion proof

### Moisture Analyzers (Hygrometers)

#### Aluminum Oxide: Analyzer & Transmitters

- Full line of multi-functional analyzers, transmitters, and portable packages
- Moisture in gases and organic liquid



#### Moisture Sensor Exchange Program

Calibration service agreements for aluminum oxide moisture probes

- Ensures minimal interruption to critical process measurements
- Exchanges a probe at end of calibration cycle with a newly calibrated probe
- Stores the replaced probe for your next calibration



**DLAS: Aurora**

- Fastest responding, high accuracy moisture measurement
- Wide-measurement range with sensitivity below 2 PPMv
- Fixed and portable designs



**Industrial Relative Humidity**

- Polymer capacitive technology
- Rugged industrial design
- In-situ humidity measurements
- Temperatures up to 150°C (302°F)



**Chilled Mirror**

- Primary standard
- Packages for laboratory and industrial applications
- Dewpoint ranges from -80°C to +75°C (-112°F to +167°F)

### Sample Systems



- Standard and custom sample system designs
- Over 50 years of Panametrics Application Engineering Expertise

### Industries

- Refining
- Petrochemical
- Combustion efficiency
- Natural gas
- Vapor recovery
- Power generation
- Industrial gas
- Compressed air
- Air separation
- High purity gases
- Steel
- Semiconductor
- Pharmaceutical
- Metrology