

NEW! THE U6000



The U6000 stands for continuity and long term reliability. Flow measurement can be done anywhere and start-up is immediate.

This clamp-on flowmeter for liquids with its robust industrial construction and regreasing concept provides a revolutionary solution for easy handling.

The U6000 is manufactured according to the European Directive 94/9 EC (ATEX 100a).

These flowmeters are approved for installation and use in hazardous classified locations of Zone 1 and 2 by the PTB and are in accordance with the European Standards of the EN 500xx and the EN 60079-7 standard.

Ultraflo 6000

Enclosure:- Die-cast aluminium with polyurethane coating. Stainless steel option.
Max. deviation (under reference conditions):- $\pm 1\%$ of M.V. for DN 50 mm / 2", $v > 0.5$ m/s / 1.5 ft/s. $\pm 3\%$ of M.V. for DN < 50 mm / 2", $v > 0.5$ m/s / 1.5 ft/s.
Measuring range:- 0...20 m/s / 0...66 ft/s.
Process Temp:- -40...120°C / -40...284°F. High temp option -50...200°C / -58...392°F.
Communication:- Current, pulse & status output. HART® communication, control input.
IP rating:- IP66/IP67
Mounting area:- 10 diameters inlet, 5 diameters outlet
Repeatability:- $\pm 0.2\%$
Protection ATEX:- EEx - zone 1/2 compliant, FM - Class I DIV 1/2, CSA - Class I DIV 1/2. Intrinsically safe Ex-I.
Pipe size:- (DN15...DN6000 / 1/2"...160") depending on flow sensor.
Power supply:- Standard 100...230 VAC (-15/+10%), 50/60 Hz / Option: 24 VAC/DC
Human machine interface:- Infra red touchscreen setup.
Languages:- English, French, German
Solid content:- less than 5%.
Gas content:- less than 2%.

- Flexible ultrasonic flowmeter solution
- Robust industrial clamp-on construction
- Flow direction (forward or reverse).
- Totalisation of volume flow.
- Reliability of flow measurement, Quality of acoustic signal.
- CE approved
- Continuous measurement of actual volume flow rate, flow velocity, velocity of sound, damping of acoustic signal, signal to noise ratio.
- Immediate start-up
- Reliable measurement
- All in one concept
- EEx - zone 1/2.

FIXED U6000

- For "clean" liquid monitoring
- To suit pipes 15mm-6000mm
- Non invasive sensing
- EEx, FM and CSA approvals
- Setup wizard

Industries:

- ✓ Chemicals
- ✓ Petrochemicals
- ✓ Power plants
- ✓ Water
- ✓ Oil & Gas
- ✓ Semi-conductor
- ✓ Food & Beverages
- ✓ Pharmaceuticals



Highlights:

- ✓ Minimised uncertainty
- ✓ Optimised reliability
- ✓ Minimal maintenance
- ✓ Efficient regreasing
- ✓ Easy sensor mounting
- ✓ Installation wizard
- ✓ All in one system

