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**PROCESS  
INSTRUMENTS**

# FLOW INSTRUMENT



## Electromagnetic Flowmeter for conductive Liquids

Sizes : DN10-DN2600 rating PN10-PN64 Flanges DIN-ANSI-JIS-ISO  
 Sanitary version : DN15-DN80 connection DIN 11851-Tri Clamp  
 Lining : Hard Rubber-PU-PTFE-FEP-PFA  
 Electrodes : ASIS316L-Hastelloy-Titanium-Tantalum-Pt/Iridium alloy  
 Converter Amplifier Compact on board and Remote version  
 Display LCD back light showing instantaneous flow rate and total  
 Output : Analog 4-20mA - Frequency/Pulse - Alarm  
 Communication Interface : RS232-RS485-MODBUS-HART  
 Flow range : 0.1-10 m/s  
 Accuracy better than 0.5%  
 Power Supply : 110VAC-230VAC-24VDC  
 Temperature : -40 +150°C  
 Enclosure Protection : IP65 – IP68

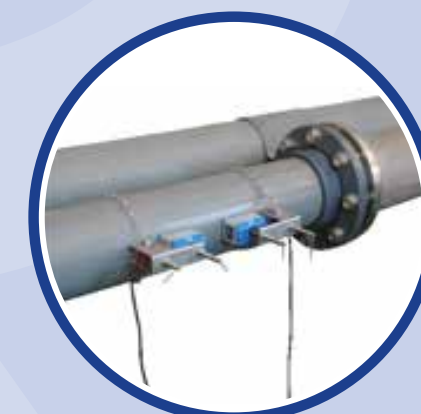
### ATEX approval for compact version:

- II 3/2G Exic/exd IIC/Gb
- II 2D Ex Tb IIIC IP65 T85° C Db



## Handhold/DIN Rail Mounted Ultrasonic Flowmeter Clamp-on Type

Measuring principle transit time suitable for clean liquids, impurities max 10ppm  
 Sizes : Transducers suitable for pipes DN15-DN6000  
 Transducers complete with 5 m cables and aluminium carrying case, handhold type  
 Temperature : -20 +160°C  
 Accuracy better than 1%  
 Repeatability +/- 0.2%  
 Communication interface RS232 - RS 485- MODBUS  
 Data Logger can store over 2000 lines of data  
 Display LCD back light showing instantaneous flow rate, total and velocity  
 Power supply: 3 AAA built-in Ni-H batteries with 110-240VAC charger  
 230VAC or 24VDC for DIN Rail Mounted version



## V-Cone flow meter for gas and liquids

Vcone flow meter is a new style flow measurement equipment based on differential pressure type but break through traditional differential pressure type flow meter. The unique structure of Vcone flowmeter makes differential pressure with enough resolution generate even in low flow, making lower range of differential pressure lower than traditional differential pressure meters.

Sizes: DN15-DN300 PN16 Flanges DIN-ANSI-JIS-ISO

### Performance & Characteristics:

- Accuracy better than 1% - Repeatability +/- 0.1%
- Turn down : 10-1 standard
- Wear-resistant, self-cleaning, long-term good stability and long service life
- Short straight tube section requirements, 1 D upstream 0 D downstream
- Low pressure drop
- Wear-resistant, self-cleaning, long-term good stability and long service life

### Connected Instruments:

- Differential Pressure Transmitter
- Flow Computer for the calculation of the compensated flow rate (Standard m<sup>3</sup>/h-kg/h) and energy (MJ)



## Absolute and Gauge Pressure Transmitter Differential Pressure Transmitter

Suitable for Liquids Gas and Steam  
 Range : -1 to 1000 bar Absolute and Gauge Pressure  
 0~0.06 kPa to 0~40Mpa Differential Pressure  
 Analog output : 0-10 mA – 4-20mA loop powered 12-45VDC  
 LCD digital indicator  
 Damping adjustable, overpressure protection  
 Smart Hart protocol  
 Accuracy standard 0.25% - 0.075% smart type  
 Diaphragm: 316 SS, HC -276, Monel or Tantalum  
 Connection: 316 SS, HC or Monel  
 Dust proof enclosure IP65