



Inline Flowmeter

CONTURK INDIA offers Inline Flowmeters designed for accurate and reliable flow measurement in industrial applications, including Thermal Mass Flowmeter, Gear Flowmeter, Electromagnetic Flowmeter, Turbine Flowmeter, Coriolis Flowmeter, Ultrasonic Flowmeter, and Vortex Flowmeter. These flowmeters are widely used for monitoring and controlling the flow of liquids, gases, and steam in various process industries. Inline flowmeters are commonly installed in pipelines, process plants, water treatment systems, chemical industries, pharmaceutical plants, food processing units, and automation systems for precise flow monitoring. The high performance design ensures stable measurement, excellent durability, and long service life even in harsh industrial environments. Available in various sizes and configurations as per application requirements

THERMAL MASS FLOWMETER



FEATURES:

- Direct mass flow measurement
- High accuracy & repeatability
- No moving parts
- Low maintenance
- Suitable for gas flow measurement

SPECIFICATIONS

- Fluid Type: Air & Compatible Gases
- Line Size: DN15 to DN1000
- End Connection: Flanged / Threaded
- Pressure Rating: Up to 40 Bar
- Accuracy: $\pm 1\%$ F.S.
- Output Signal: 4-20mA / Pulse
- Body Material: SS304 / SS316
- Power Supply: 24V DC
- Communication: RS485 Modbus

APPLICATIONS

- Compressed air systems
- Boiler gas measurement
- HVAC systems
- Chemical industries
- Power & steel plants

GEAR FLOWMETER



FEATURES

- High accuracy flow measurement
- Suitable for viscous liquids
- Compact and rugged design
- Excellent repeatability
- Low pressure drop

SPECIFICATIONS

- Fluid Type: Oil, Fuel & Viscous Liquids
- Line Size: DN10 to DN100
- End Connection: Threaded / Flanged
- Pressure Rating: Up to 25 Bar
- Accuracy: $\pm 0.5\%$ F.S.
- Output Signal: Pulse / 4-20mA
- Body Material: SS / Aluminum
- Power Supply: 24V DC
- Communication: RS485 Modbus

APPLICATIONS

- Oil flow measurement
- Fuel monitoring systems
- Hydraulic systems
- Chemical industries
- Lubrication systems

ULTRASONIC FLOWMETER



FEATURES

- Non-contact flow measurement
- No moving parts
- High accuracy & stability
- Low maintenance
- Suitable for clean liquids

SPECIFICATIONS

- Fluid Type: Water & Conductive Liquids
- Line Size: DN15 to DN2000
- End Connection: Clamp-on / Flanged
- Pressure Rating: Up to 16 Bar
- Accuracy: $\pm 1\%$ F.S.
- Output Signal: 4-20mA / Pulse
- Body Material: SS / ABS
- Power Supply: 24V DC / 230V AC
- Communication: RS485 Modbus

APPLICATIONS

- Water treatment plants
- HVAC systems
- Chemical industries
- Irrigation systems
- Process industries

CORIOLIS MASS FLOWMETER



FEATURES

- Direct mass flow measurement
- High accuracy & repeatability
- Measures density and temperature
- No moving parts
- Suitable for liquids & gases

SPECIFICATIONS

- Fluid Type: Liquid & Gas
- Line Size: DN15 to DN200
- End Connection: Flanged
- Pressure Rating: Up to 100 Bar
- Accuracy: $\pm 0.1\%$ F.S.
- Output Signal: 4-20mA / Pulse
- Body Material: SS304 / SS316
- Power Supply: 24V DC
- Communication: RS485 / HART

APPLICATIONS

- Chemical industries
- Oil & gas plants
- Food & beverage industries
- Pharmaceutical applications
- Custody transfer systems

TURBINE FLOWMETER



FEATURES

- High accuracy measurement
- Fast response time
- Compact design
- Low pressure drop
- Suitable for clean liquids

SPECIFICATIONS

- Fluid Type: Water, Oil & Chemicals
- Line Size: DN15 to DN300
- End Connection: Flanged / Threaded
- Pressure Rating: Up to 40 Bar
- Accuracy: $\pm 0.5\%$ F.S.
- Output Signal: Pulse / 4-20mA
- Body Material: SS304 / SS316
- Power Supply: 24V DC
- Communication: RS485 Modbus

APPLICATIONS

- Water treatment plants
- Chemical industries
- Oil & fuel measurement
- Pharmaceutical industries
- Process automation systems

VORTEX SHEDDING FLOWMETER



FEATURES

- Suitable for liquid, gas & steam
- High accuracy measurement
- No moving parts
- Low maintenance
- Wide temperature range

SPECIFICATIONS

- Fluid Type: Liquid, Gas & Steam
- Line Size: DN15 to DN300
- End Connection: Flanged / Wafer
- Pressure Rating: Up to 40 Bar
- Accuracy: $\pm 1\%$ F.S.
- Output Signal: 4-20mA / Pulse
- Body Material: SS304 / SS316
- Power Supply: 24V DC
- Communication: RS485 / HART

APPLICATIONS

- Steam flow measurement
- Boiler systems
- Chemical industries
- Power plants
- HVAC systems

ELECTROMAGNETIC FLOWMETER



FEATURES

- Non-contact flow measurement
- High accuracy & stability
- No pressure loss
- Easy installation
- Suitable for large pipe sizes

SPECIFICATIONS

- Fluid Type: Conductive & Non-Conductive Liquids
- Line Size: DN15 to DN2000
- End Connection: Clamp-On / Flanged
- Pressure Rating: Up to 40 Bar
- Accuracy: $\pm 1\%$ F.S.
- Output Signal: 4-20mA / Pulse
- Body Material: SS304 / SS316
- Power Supply: 24V DC
- Communication: RS485 Modbus

APPLICATIONS

- Water treatment plants
- HVAC systems
- Chemical industries
- Irrigation systems
- Industrial process monitoring

Flowmeter Type	Fluid Temperature	Nominal Pressure
Thermal Mass Flowmeter	-10°C to 120°C	≤ 40 Bar
Gear Flowmeter	-10°C to 80°C	≤ 25 Bar
Coriolis Flowmeter	-50°C to 200°C	≤ 100 Bar
Turbine Flowmeter	-20°C to 120°C	≤ 40 Bar
Vortex Flowmeter	-20°C to 250°C	≤ 40 Bar
Ultrasonic Flowmeter	-20°C to 160°C	≤ 40 Bar

Nominal Diameter (mm)	Thermal Mass Flowmeter (m³/h)	Gear Flowmeter (m³/h)	Coriolis Flowmeter (m³/h)	Turbine Flowmeter (m³/h)	Vortex Flowmeter (m³/h)	Ultrasonic Flowmeter (m³/h)
10	0.5-5	0.1-1	0.2-2	0.3-3	—	—
15	1-10	0.5-5	0.5-5	0.5-8	0.5-6	0.2-10
25	5-50	1-12	1-15	1-20	2-20	1-40
40	10-100	3-30	3-40	3-50	5-50	3-100
50	20-200	5-50	5-60	5-80	8-80	5-150
80	50-400	12-120	10-150	15-200	20-200	12-300
100	80-800	20-200	20-250	20-300	30-300	20-500
150	150-1500	—	40-400	50-600	60-600	40-1000
200	300-3000	—	80-800	80-1000	100-1000	80-2000
250	500-5000	—	120-1200	120-1500	150-1500	120-3000

PRODUCTkj	MODEL SERIES
THERMAL MASS FLOWMETER	CIPLTMF-DN-****
GEAR FLOWMETER	CIPLGFM-DN-****
ULTRASONIC FLOWMETER	CIPLUFM-DN-****
CORIOLS MASS FLOWMETER	CIPLCMF-DN-****
TURBINE FLOWMETER	CIPLTFM-DN-****
VORTEX FLOWMETER	VFM-DN-****
ELECTROMAGNETIC FLOWMETER	CIPLEM-DN-****