

Metlan Instruments Full Line Catalog

Your source of calibrated flow meters

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Positive Displacement (PD) Flow Meters



Bi-rotor PD Flow Meter

Product Code: MT-ABR

Features:

- High accuracy up to $\pm 0.1\%$, high process pressure up to 110 bar (1595 psi)
- Perfect flow meter for fuel and diesel oil
- Stable in running with low voice
- Good anti-interference performance and long service life
- Strong applicability to viscosity changes

Specifications:

- Nominal Diameter Range: DN 15 to 400
- Accuracy: $\pm 0.1\%$; $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.05\%$; $\pm 0.1\%$; $\pm 0.25\%$
- Measuring Range: 0.3 to 1800 m³/h
- Max. Process Pressure: 110 bar (1595 psi)
- Medium Temperature Range: Standard: (-20 ~ +100) °C, Optional: (-20 ~ +250) °C
- Ambient Temperature Range: Standard: (-20 ~ +55) °C, Optional: (-30 ~ +70) °C

- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (HART and others on request)
- Power Supply: DC 12 to 24 V



Bi-rotor PD Flow Meter (Mechanical)

Product Code: MT-ABRM

Features:

- High accuracy up to $\pm 0.1\%$, high process pressure up to 110 bar (1595 psi)
- Perfect flow meter for fuel and diesel oil
- Stable in running with low voice
- Good anti-interference performance and long service life
- Strong applicability to viscosity changes

Specifications:

- Nominal Diameter Range: DN 15 to 400
- Accuracy: $\pm 0.1\%$; $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.05\%$; $\pm 0.1\%$; $\pm 0.25\%$
- Measuring Range: 0.3 to 1800 m³/h
- Max. Process Pressure: 110 bar (1595 psi)
- Medium Temperature Range: Standard: (-20 ~ +100) °C, Optional: (-20 ~ +250) °C
- Ambient Temperature Range: Standard: (-20 ~ +55) °C, Optional: (-30 ~ +70) °C

- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (HART and others on request)
- Power Supply: DC 12 to 24 V



Oval Gear PD Flow Meter

Product Code: MT-LC

Features:

- High-precision measurement with up to $\pm 0.2\%$ accuracy
- Not sensitive to the viscosity change
- Simple installation without requiring straight pipe runs
- Smooth spiral rotor operation with minimal vibration for consistent performance

Specifications:

- Nominal Diameter Range: DN 10 to 200
- Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.1\%$; $\pm 0.25\%$
- Measuring Range: 0.05 to 340 m³/h
- Max. Process Pressure: 63 bar
- Medium Temperature Range: Standard: (-20 ~ +60) °C, Optional: (-41 ~ +60) °C
- Ambient Temperature Range: Standard: (-10 ~ +60) °C, Optional: (-30 ~ +70) °C

- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485, HART
- Power Supply: DC 12 to 24 V



Low Flow PD Gear Flow Meter

Product Code: MT-GF

Features:

- Designed for low flow liquids from 0.6 L/h
- 150:1 wide turndown ratio
- High-precision measurement with up to $\pm 0.5\%$ accuracy
- Capable of measuring highly corrosive medium including sulfuric acid,

hydrofluoric acid, and other aggressive chemicals

Specifications:

- Accuracy: $\pm 0.5\%$
- Repeatability: $\pm 0.1\%$
- Measuring Range: 0.6 to 2000 l/h
- Max. Process Pressure: Standard: 100 bar, Optional: 400 bar
- Medium Temperature Range: Standard:

- (-40 ~ +80) °C, Optional: (-40 ~ +200) °C
- Ambient Temperature Range: (-40 ~ +85) °C
- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485, HART, GPRS, Bluetooth
- Power Supply: DC 9 to 26 V

Thermal Mass Flow Meters



Insertion Thermal Mass Flow Meter

Product Code: MT211x

Features:

- Suitable for pipes with diameters from DN20 to DN1000
- Ultra-wide 1:2500 turndown ratio, the measuring range is from 0.1 Nm/s to 250 Nm/s.
- Full-digital signal processing, higher accuracy, long-term stability.

Fluids Measured:

Compressed air, nitrogen, oxygen, Carbon dioxide & other non-condensing gases.

Specifications:

- Nominal Diameter Range: DN20 to DN1000
- Accuracy: Standard: $\pm(1.5\% \text{ RD} + 0.3\% \text{ FS})$, Optional: $\pm 1\% \text{ RD}$
- Measuring Range: 0.1 to 63617 Nm³/h

- Max. Process Pressure: 63 bar (913.74 psi)
- Medium Temperature Range: -40 to 302°F (-40 to 150°C)
- Ambient Temperature Range: -22 to 158°F (-30 to 70°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (Standard), Wireless (optional)
- Power Supply: DC 18 to 30 V



Thermal Mass Flow Meter

Product Code: MT212x

Features:

- Ultra-wide 1:2500 turndown ratio, the measuring range is from 0.1 Nm/s to 250 Nm/s.
- Full-digital signal processing, higher accuracy, long-term stability.

dioxide & other non-condensing gases.

Specifications:

- Nominal Diameter Range: DN 15 to 80
- Accuracy: Standard: $\pm(1.5\% \text{ RD} + 0.3\% \text{ FS})$, Optional: $\pm 1\% \text{ RD}$
- Measuring Range: 0.06 to 2171 Nm³/h
- Max. Process Pressure: 63 bar (913.74 psi)
- Medium Temperature Range: -40 to 302°F (-40 to 150°C)

- Ambient Temperature Range: -22 to 158°F (-30 to 70°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (Standard), Wireless (optional)
- Power Supply: DC 18 to 30 V



Insertion Explosion-proof Thermal Mass Flow Meter

Product Code: MT211x-Ex

Features:

- Explosion-proof class: Ex db IIC T6 Gb / Ex tb IIIC T80°CDb.
- Suitable for pipes with diameters from DN20 to DN1000
- Ultra-wide 1:2500 turndown ratio, the measuring range is from 0.1 Nm/s to 250 Nm/s.

- Full-digital signal processing, higher accuracy, long-term stability.

Fluids Measured:

Compressed air, nitrogen, oxygen, Carbon dioxide & other non-condensing gases.

Specifications:

- Nominal Diameter Range: DN20 to 1000
- Accuracy: Standard: $\pm(1.5\% \text{ RD} + 0.3\% \text{ FS})$, Optional: $\pm 1\% \text{ RD}$

- Measuring Range: 0.1 to 63617 Nm³/h
- Max. Process Pressure: 63 bar (913.74 psi)
- Medium Temperature Range: --40 to 176°F (-40 to 80°C)
- Ambient Temperature Range: -22 to 140°F (-30 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (Standard), Wireless (optional)
- Power Supply: DC 18 to 30 V



Explosion-proof Thermal Mass Flow Meter

Product Code: MT212x-Ex

Features:

- Explosion-proof class: Ex db IIC T6 Gb / Ex tb IIIC T80°CDb.
- Ultra-wide 1:2500 turndown ratio, the measuring range is from 0.1 Nm/s to 250 Nm/s.
- Full-digital signal processing, higher accuracy, long-term stability.

Fluids Measured:

Compressed air, nitrogen, oxygen, Carbon dioxide & other non-condensing gases.

Specifications:

- Nominal Diameter Range: DN 15 to 80
- Accuracy: Standard: $\pm(1.5\% \text{ RD} + 0.3\% \text{ FS})$, Optional: $\pm 1\% \text{ RD}$
- Measuring Range: 0.06 to 2171 Nm³/h

- Max. Process Pressure: 63 bar (913.74 psi)
- Medium Temperature Range: --40 to 176°F (-40 to 80°C)
- Ambient Temperature Range: -22 to 140°F (-30 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus/RS-485 (Standard), Wireless (optional)
- Power Supply: DC 18 to 30 V

Coriolis Mass Flow Meters



Coriolis Mass Flow Meter W Shape

Product Code: MTD-ACMW

Features:

- High accuracy up to $\pm 0.1\%$, Good reliability
- Good zero-stability and anti-interference performance
- No moving parts, no maintenance required

Specifications:

- Nominal Diameter Range: DN 8 to 250
- Accuracy: $\pm 0.1\%$; $\pm 0.15\%$; $\pm 0.2\%$
- Repeatability: $\pm 0.05\%$; $\pm 0.075\%$; $\pm 0.1\%$
- Measuring Range: 8-1500000 kg/h
- Max. Process Pressure: 250 bar (3626 psi)
- Medium Temperature Range: Integrate Type: (-50~+125)°C ; Split Type: (-200~+350)°C

- Ambient Temperature Range: Standard: (-20 ~ +55) °C ; Optional: (-30 ~ +70) °C
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 Modbus, HART
- Power Supply: DC(18~ 30)V, AC(85 ~ 250)V



Coriolis Mass Flow Meter C Shape
Product Code: MTD-ACMC

- Features:**
- High accuracy up to $\pm 0.1\%$, Good reliability
 - Good zero-stability and anti-interference performance
 - No moving parts, no maintenance required

- Specifications:**
- Nominal Diameter Range: DN 50 to 100
 - Accuracy: $\pm 0.1\%$; $\pm 0.15\%$; $\pm 0.2\%$
 - Repeatability: $\pm 0.05\%$; $\pm 0.075\%$; $\pm 0.1\%$
 - Measuring Range: 500-200000 kg/h
 - Max. Process Pressure: 250 bar (3626 psi)
 - Medium Temperature Range: Integrate Type: $(-50 \sim +125)^{\circ}\text{C}$; Split Type: $(-200 \sim +350)^{\circ}\text{C}$
 - Ambient Temperature Range: Standard: $(-20 \sim +55)^{\circ}\text{C}$; Optional: $(-30 \sim +70)^{\circ}\text{C}$
 - Outputs: 4-20 mA, Pulse
 - Digital Communication: RS485 Modbus, HART
 - Power Supply: DC(18~ 30)V, AC(85 ~ 250)V

Low Flow Mass Flow Meters / Controllers



Coriolis Mass Flow Meter / Controller
Product Code: MTL20FE

- Features:**
- Designed for low flow gas / liquid measuring.
 - High precision, good repeatability. For liquids, the measurement accuracy can reach $\pm 0.25\%$; for gases, the measurement accuracy can reach $\pm 0.5\%$.
 - Turn Down Ratio: 50:1 for digital mass flow controller; 100:1 for digital mass

- flow meter.
- It can measure high viscosity fluid and high density gas
 - Integrated PID controller to regulate flow rate
- Specifications:**
- Accuracy: Gas: $\pm 0.5\%$ F.S; Liquid: $\pm 0.25\%$ F.S
 - Measuring Range: 0 ~ (40g/h~1000kg/h)
 - Max. Process Pressure: 100 bar
 - Working Temperature Range: 0 ~ 70°C
 - Outputs: 0 ~ 5V, 4-20mA, 1 ~ 5V
 - Digital Communication: RS232/485, MODBUS protocol
 - Power Supply: 24VDC、 $\pm 15\text{VDC}$



Thermal Gas Mass Flow Meter / Controller
Product Code: MTL20FD

- Features:**
- Designed for low flow gas measuring
 - Turn Down Ratio: 50:1 for digital mass flow controller; 100:1 for digital mass flow meter
 - Response Time: mass flow controller<0.2s; mass flow meter <0.1s
 - Integrated PID controller to regulate flow rate

- Directly measuring mass flow rate
 - Suitable for various high and low pressure pipelines
- Specifications:**
- Accuracy: $\pm 0.5\%$ F.S; $\pm 1\%$ F.S
 - Measuring Range: 02SCCM ~ 6000SLM
 - Max. Process Pressure: 100 bar
 - Working Temperature Range: 0 ~ 50°C
 - Outputs: 0 ~ 5V, 4-20mA, 1 ~ 5V
 - Digital Communication: RS232/485, MODBUS protocol, PROFIBUS protocol
 - Power Supply: 24VDC、 $\pm 15\text{VDC}$



Differential Pressure Gas Mass Flow Meter / Controller
Product Code: MTL20FC

- Features:**
- Designed for low flow gas measuring
 - Turn Down Ratio: 50:1 for digital mass flow controller; 100:1 for digital mass flow meter
 - Integrated PID controller to regulate flow rate

- Directly measuring mass flow rate
 - No preheating required, no response lag during measurement
- Specifications:**
- Accuracy: $\pm 0.5\%$ F.S; $\pm 1\%$ F.S
 - Measuring Range: 2SCCM ~ 3000SLM
 - Max. Process Pressure: 30 bar
 - Working Temperature Range: 10 ~ 50°C
 - Outputs: 0 ~ 5V, 4-20mA, 1 ~ 5V
 - Digital Communication: RS232/485, MODBUS protocol
 - Power Supply: 24VDC、 $\pm 15\text{VDC}$

Electromagnetic Flow Meters



Mag Meter For Water and Wastewater
Product Code: MTF-W

- Features:**
- PU, Neoprene or PTFE liner: excellent chemical resistance
 - Wide range of electrode materials
 - No moving parts, no wear, no pressure loss
 - The measuring principle is virtually independent of pressure, density, temperature and viscosity

Fluids Measured:
All simple water and wastewater applications

- Specifications:**
- Nominal Diameter Range: DN20 to 3000
 - Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
 - Repeatability: $\pm 0.1\%$; $\pm 0.25\%$
 - Measuring Range: 1 to 125000 m³/h

- Max. Process Pressure: 100 bar (1450.38 psi)
- Medium Temperature Range: -40 to 302°F (-40 to 150°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V



Remote Mag Meter
Product Code: MTF-F-200

- Features:**
- Wide range of liners and electrode materials
 - No moving parts, no wear, no pressure loss
 - The measuring principle is virtually independent of pressure, density, temperature and viscosity

Fluids Measured:
Conductive applications with clean, aggressive or abrasive liquids

- Specifications:**
- Nominal Diameter Range: DN15 to 3000
 - Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
 - Repeatability: $\pm 0.1\%$; $\pm 0.25\%$
 - Measuring Range: 0.3 to 125000 m³/h

- Max. Process Pressure: 100 bar (1450.38 psi)
- Medium Temperature Range: -40 to 356°F (-40 to 180°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V



Insertion Mag Meter
Product Code: MTF-I

- Features:**
- Suitable for pipes with diameters from DN100 to DN3000
 - No moving parts, no wear, no pressure loss
 - The measuring principle is virtually independent of pressure, density, temperature and viscosity

Fluids Measured:
Conductive applications with clean, aggressive or abrasive liquids

- Specifications:**
- Nominal Diameter Range: DN100 to 3000
 - Accuracy: $\pm 1.5\%$
 - Repeatability: $\pm 0.5\%$
 - Measuring Range: 16 to 125000 m³/h

- Max. Process Pressure: 25 bar (362.6 psi)
- Medium Temperature Range: $< 176^\circ\text{F}$ (80°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V



Battery Powered Mag Meter
Product Code: MTF-B

- Features:**
- Wide range of liners and electrode materials
 - No moving parts, no wear, no pressure loss
 - The measuring principle is virtually independent of pressure, density, temperature and viscosity

Fluids Measured:
Conductive applications with clean, aggressive or abrasive liquids

- Specifications:**
- Nominal Diameter Range: DN10 to 100
 - Accuracy: $\pm 0.5\%$
 - Repeatability: $\pm 0.25\%$
 - Measuring Range: 0.15 to 9000 m³/h

- Max. Process Pressure: 100 bar (1450.38 psi)
- Medium Temperature Range: -13 to 300°F (-25 to 150°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, GPRS
- Power Supply: Lithium Battery



Mag Meter For Low Conductivity Liquids
Product Code: MTF-C

- Features:**
- Available for low conductivity liquids $\geq 3\ \mu\text{S/cm}$
 - Wide range of liners and electrode materials
 - No moving parts, no wear, no pressure loss
 - The measuring principle is virtually independent of pressure, density,

temperature and viscosity

Fluids Measured:
For low conductivity liquids $\geq 3\ \mu\text{S/cm}$

- Specifications:**
- Nominal Diameter Range: DN25 to 3000
 - Accuracy: $\pm 0.5\%$; $\pm 1\%$
 - Repeatability: $\pm 0.16\%$; $\pm 0.33\%$
 - Measuring Range: 1 to 125000 m³/h

- Max. Process Pressure: 40 bar (580.15 psi)
- Medium Temperature Range: -40 to 356°F (-40 to 180°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V



Mag Meter For Slurry

Product Code: MTF-S

Features:

- PU, PFA, ETFE or FEP liner: excellent chemical and abrasion resistance
- Wide range of electrode materials
- No moving parts, no wear, no pressure loss
- The measuring principle is virtually independent of pressure, density,

temperature and viscosity

Fluids Measured:

Specially designed for Slurry

Specifications:

- Nominal Diameter Range: DN80 to 900
- Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.1\%$; $\pm 0.25\%$
- Measuring Range: 9 to 11500 m³/h

- Max. Process Pressure: 63 bar (913.74 psi)
- Medium Temperature Range: -40 to 356°F (-40 to 180°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V



Clamped Sanitary Mag Meter

Product Code: MTF-A

Features:

- PFA liner: certified for hygienic applications
- Wide range of electrode materials
- No moving parts, no wear, no pressure loss
- The measuring principle is virtually independent of pressure, density,

temperature and viscosity

Fluids Measured:

Standard hygienic applications

Specifications:

- Nominal Diameter Range: DN15 to 150
- Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.1\%$; $\pm 0.25\%$
- Measuring Range: 0.3 to 300 m³/h

- Max. Process Pressure: 40 bar (580.15 psi)
- Medium Temperature Range: -40 to 356°F (-40 to 180°C)
- Ambient Temperature Range: -13 to 140°F (-25 to 60°C)
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485, Hart
- Power Supply: DC 24 V; AC 100 to 240 V

Vortex Flow Meters



Vortex Flow Meter

Product Code: LUGBMT-100

Features:

- Suitable for measuring the flow of liquids, gases, and steam.
- Wide temperature and pressure range
- Available in inline and insertion models, allowing flexibility in installation.

Specifications:

- Nominal Diameter Range: DN 15 to 300
- Accuracy: $\pm 1\%$
- Repeatability: $\pm 0.33\%$
- Measuring Range: Liquid: 0.8 to 3500 m³/h; Steam, gas: 5 to 18000 m³/h
- Max. Process Pressure: 100 bar (1450 psi)
- Medium Temperature Range: Standard: -40 to +260 °C (-40 to +480 °F); Optional: -200 to +400 °C (-328 to +750 °F)

- Ambient Temperature Range: -35~60°C
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 (Others on request)
- Power Supply: DC 12 to 24 V, 3.6V Lithium battery



Vortex Meter with Temperature and Pressure Compensation

Product Code: LUGBMT-C

Features:

- Suitable for measuring the flow of liquids, gases, and steam.
- Wide temperature and pressure range
- Compact all-in-one device integrated with temperature and pressure sensor

Specifications:

- Nominal Diameter Range: DN 15 to 300
- Accuracy: $\pm 1\%$
- Repeatability: $\pm 0.33\%$
- Measuring Range: Liquid: 0.8 to 3500 m³/h; Steam, gas: 5 to 18000 m³/h
- Max. Process Pressure: 100 bar (1450 psi)
- Medium Temperature Range: Standard: -40 to +260 °C (-40 to +480 °F); Optional: -200 to +350 °C (-328 to +660 °F)

- Ambient Temperature Range: -35~60°C
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 (Others on request)
- Power Supply: DC 12 to 24 V, 3.6V Lithium battery



Vortex Flow Meter for High Pressure

Product Code: LUGBMT-P

Features:

- Specially designed for high process pressure up to 250 bar
- Suitable for measuring the flow of liquids, gases, and steam.
- Wide temperature and pressure range

Specifications:

- Nominal Diameter Range: DN 15 to 300
- Accuracy: $\pm 1\%$
- Repeatability: $\pm 0.33\%$
- Measuring Range: Liquid: 0.8 to 3500 m³/h; Steam, gas: 5 to 18000 m³/h
- Max. Process Pressure: 250 bar (3625 psi)
- Medium Temperature Range: Standard: -40 to +260 °C (-40 to +480 °F); Optional: -200 to +350 °C (-328 to +660 °F)

- Ambient Temperature Range: -35~60°C
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 (Others on request)
- Power Supply: DC 12 to 24 V, 3.6V Lithium battery



Vortex Flow Meter for High Temperature Medium

Product Code: LUGBMT-H

Features:

- For high temperature applications up to +400°C / +750°F
- Suitable for measuring the flow of liquids, gases, and steam.
- Wide temperature and pressure range

Specifications:

- Nominal Diameter Range: DN 15 to 300
- Accuracy: $\pm 1\%$
- Repeatability: $\pm 0.33\%$
- Measuring Range: Liquid: 0.8 to 3500 m³/h; Steam, gas: 5 to 18000 m³/h
- Max. Process Pressure: 100 bar (1450 psi)
- Medium Temperature Range: -200 to +400 °C (-328 to +750 °F)

- Ambient Temperature Range: -35~60°C
- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 (Others on request)
- Power Supply: DC 12 to 24 V, 3.6V Lithium battery

Turbine Flow Meters



High Accuracy Liquid Turbine Flow Meter

Product Code: LWGYMT-AJWL

Features:

- High accuracy up to $\pm 0.2\%$, with good repeatability
- 1:20 turndown ratio
- Space-saving structure with DN0.5 minimum bore size

Specifications:

- Nominal Diameter Range: DN 0.5 to 300
- Accuracy: $\pm 0.2\%$; $\pm 0.5\%$
- Repeatability: $\pm 0.1\%$
- Measuring Range: 0.004 to 1800 m³/h
- Max. Process Pressure: 350 bar
- Medium Temperature Range: -196 TO 180 °C (-320.8 to +356 °F)
- Ambient Temperature Range: -35~60°C

- Outputs: 4-20 mA, Pulse
- Digital Communication: RS485 (Others on request)
- Power Supply: DC 12 to 24 V, 3.6V Lithium battery



High Accuracy Gas Turbine Flow Meter

Product Code: LWGYMT-ES

Features:

- High accuracy up to $\pm 1\%$
- Temp. & pressure compensation.
- Segment LCD, displays normally at -30°C
- Simultaneous display flow rate, total flow volume, pressure & temp.

Specifications:

- Nominal Diameter Range: DN 25 to 400
- Accuracy: $\pm 1.0\%$; $\pm 1.5\%$
- Repeatability: $\pm 0.15\%$; $\pm 0.5\%$
- Measuring Range: 4 to 13000 m³/h
- Max. Process Pressure: 63 bar (913 psi)
- Medium Temperature Range: -25°C~+55°C (-13 to +131 °F)
- Ambient Temperature Range: -25~60°C

- Outputs: 4-20 mA, Pulse
- Digital Communication: Modbus RS485 (Others on request)
- Power Supply: DC 5 to 24 V, 3.6V Lithium battery

Other Gas Flow Meters



Ultrasonic Gas Flow Meter

Product Code: MTS-LYNSB

Features:

- High accuracy for gas up to $\pm 0.5\%$
- No moving parts, no presure loss, no line obstructions
- No lubrication or periodic maintenance
- Wide 100:1 turndown ratio
- Bi-directional capability

Specifications:

- Nominal Diameter Range: DN 25 to 400
- Accuracy: $\pm 0.5\%$; $\pm 1\%$; $\pm 1.5\%$
- Repeatability: $\pm 0.1\%$; $\pm 0.2\%$; $\pm 0.3\%$
- Measuring Range: 1 to 11000 m³/h
- Max. Process Pressure: 420bar (6090psi)
- Medium Temperature Range: $\leq 65\text{ }^{\circ}\text{C}$ (149 °F)
- Ambient Temperature Range: -25 °C to +55 °C (-13 °F to 131 °F)

- Outputs: 4-20 mA, Pulse
- Digital Communication: RS-485 (Modbus RTU)
- Power Supply: DC 12-32V



Pitot Tube Gas Flow Meter
Product Code: MTKB-201x

Features:

- Applicable to the measurement of dirty and wet air
- Online auto-calibration reduces data drift
- High sensitivity, the lower limit is down to 5 Nm/s
- 1:60 wide turndown ratio

- Bidirectional flow measurement

Specifications:

- Nominal Diameter Range: DN 25 to 1000
- Accuracy: $\pm 1\%$ RD; $\pm 1.5\%$ RD + 0.3% FS
- Max. Process Pressure: 17 bar (246.56 psi)
- Medium Temperature Range: -40 TO 150 °C (−40 to +302 °F)
- Ambient Temperature Range: -20°C ~60°C
- Outputs: 4-20 mA, Pulse

- Digital Communication: Modbus RTU (RS485)

