



## FEATURES

- Integrating high-precision, temperature, pressure, flow sensors and intelligent volume correction, it can detect the temperature, pressure and flow of the measured gas, and perform automatic flow tracking compensation and compression factor correction calculation.
- Pressure sensor, temperature sensor and flow sensor are all built-in, making the structure more compact.
- It can operate with long-term power supply from the built-in battery or from an external power supply.

## STANDARD PARAMETERS

Nominal diameter	1" to 12" (DN25-DN300)
Power supply	24VDC+3.6V dual power supply
Connection type	Flange, tri-clamp, thread
Case Material	Aluminium alloy
Medium temperature	-20...60°C
Ambient temperature	-25...80°C
Rated pressure	1.6 MPa (high pressure customizable)
Accuracy	1.0%
Output communication	Pulse/ 4-20mA/ RS485/ Hart
Explosion proof	Exia IIC T6 Ga

## FLOW RANGE SHEET

Flow Range (m <sup>3</sup> /h)	
DN25-G10	0.5-16
DN25-G16	1-25
DN40-G25	1-40
DN50-G40	2-65
DN50-G65	2-100
DN80-G100	2.5-160
DN80-G160	3-250
DN100-G250	3-400
DN100-G400	4-500
DN150-G400	8-650
DN150-G650	15-1000
DN200-G1000	80-1600

### ORDERING CODES

1. NOMINAL DIAMETER		XXX	4. ACCURACY		A
XXX	Three digits, refer to Nominal Diameter Coding Table		10	1.0%	
			15	1.5%	
2. NOMINAL PRESSURE		1	5. MATERIAL		
1	0.6MPa		C	Cast Aluminium	
2	1.0MPa				
3	1.6MPa				
3. METER TYPE		N	6. ANTI-EXPLOSION		
N	Sensor type: +12 or 24V power supply, output three-wire pulse signal		A	None	
A	Transmitter type: +24V power supply, output two-wire system 4-20mA		B	Exia IIC T6 Ga	
B	Intelligent type; Lithium battery power supply no signal output on-site display				
C	Intelligent type; +24V power supply, Field display, output two-wire system 4-20mA				
C1	Intelligent type; +24V power supply, Field display, with RS485 communication				
C2	Intelligent type; +24V power supply, Field display, with HART communication				

**Ordering Example:**  
**MT-F100GW-XXX-1-N-A-C-B**

### NOMINAL DIAMETER CODING TABLE

NOMINAL DIAMETER	CODE
25	025
32	032
40	040
50	050
65	065
80	080
100	110
125	112
150	115
200	120
250	125
300	130