Gas Konnect

Wired Remote Reading Smart Gas Meter

Description

Wired remote reading gas meter adopts m-bus or RS485 modbus communication to realize remote meter reading and valve control functions. It's used for measuring the gas flow in the pipe.

This smart gas meter equipped with microcomputer to measure and store gas consumption, and automatically detect battery status and meter operation status etc.

With it, the gas utilities are easy to management gas supply and greatly improve the billing efficiency and avoid read meter door to door and money owing.

Key Features

- Adopt M-BUS or RS-485 communication with long distance communication function.
- With the function of real time meter reading and remote valve control and timing meter data uploading.
- Electric suspension ball valve technique: adopt electric ball valve technique, work reliably and lower pressure loss.
- Supply power by m-bus, no external power supply,
- Single display and double display are optional: register display, LCD and register display.
- Anti-external electric and magnetic attack

Various types:

Register display

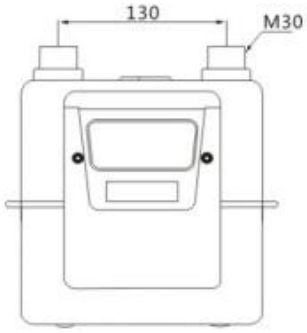
Double display (LCD and register)

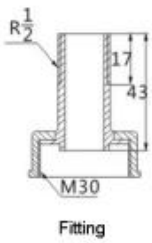
Standard and Compliance

Technical Specifications

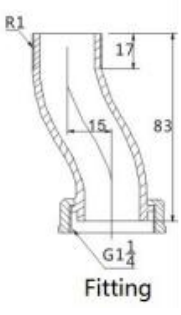
Size（DN）	G1.6	G2.5	G4.0	G6.0
Common Flow Rate	1.6 m³/h	2.5 m³/h	4.0m³/h	6.0 m³/h
Maximum Flow Rate (Q_{Max})	2.5 m³/h	4 m³/h	6 m³/h	10 m³/h
Transitional Flow Rate (Q_t)	0.25 m³/h	0.4 m³/h	0.6 m³/h	1.0 m³/h
Minimum Flow Rate (Q_{Min})	0.016m³/h	0.025 m³/h	0.04 m³/h	0.06 m³/h
Initiate Flow Rate	≤3dm³/h	≤5dm³/h	≤5dm³/h	≤5dm³/h
Total Pressure Loss	≤120Pa	≤200Pa	≤250Pa	≤250Pa
Cyclic Volume	1.20 dm³	1.20 dm³	1.20 dm³	2.40 dm³
Maximum Reading	99999.999m³			
Minimum Reading	0.0002m³			
Accuracy Class	Class 1.5			
Leak Tightness	No leak when ≤ 15kPa or No leak when ≤ 55kPa			
Explosion Proof	Ex ib IIB T3 Gb			
Transmission Speed	2400bps			
Working Pressure	≤10 kPa, ≤30 kPa or ≤50 kPa (optional)			
Working Temperature	-10℃ ~ 40℃ or -25℃ ~ 55℃			
Basic Error	$Q_{min} \le Q < Q_t \le \pm 3.0\%$; $Q_t \le Q_{max} < Q_{min} \le \pm 1.5\%$			
Power Supply	power supply by m-bus cable or RS485 cable			
Material	Steel			
Communication	mbus or modbus			

Dimension





G1.6/G2.5/G4.0 Dimension Diagram



G6.0 Dimension Diagram