

IC Card Gas Meter with Digital Display

This IC card gas meter automatically measures gas consumption. It is designed for prepaid charging, enabling gas service centers to sell gas in advance.



Product Overview

Smart IC Card Gas Meter

This IC card gas meter features a digital display designed for precise and reliable measurement of gas consumption. It is engineered to operate efficiently across varying flow rates and pressures, making it suitable for standard residential or commercial gas metering applications. With a robust design, it supports a wide ambient temperature range and includes advanced features like electric measurement error correction and low power consumption.

Performance Metrics

Flow Rate Specifications

| Parameter | CG-L-G1.6 | CG-L-G2.5 | CG-L-G4 |
|------------------------|-----------|-----------|---------|
| Rated flow rate (m3/h) | 1.6 | 2.5 | 4 |
| Max flow rate (m3/h) | 2.5 | 4 | 6 |
| Min flow rate (m3/h) | 0.016 | 0.025 | 0.04 |
| Max pressure loss (Pa) | 120 | 200 | 250 |

Operating Environment

Working Pressure Range

0.5 KPa

Min Pressure

5 KPa

Max Pressure

Ambient Temperature Range

-20 to +50 °C

Electrical Specifications

Power Specifications

- Voltage: 5-6 V
- Current: <30 mA

Technical Details

Permissible Error

- $q_{min} < q < 0.1q_{max}$: $\pm 3\%$
- $0.1q_{max} < q < q_{max}$: $\pm 1.5\%$

Physical Characteristics

2.4 kg

Net Weight

130 mm

Inlet to Outlet Distance

1.2 dm³

Cyclic Volume