

IC Card Pre-Paid Gas Meter

This gas meter uses an IC card for pre-paid functionality. It features both a digital display and a mechanical counter for accurate gas consumption measurement.



Product Overview

Advanced Pre-Paid Gas Metering

This IC card pre-paid gas meter offers a robust, automated solution for measuring petro-gas, natural gas, and oil-gas consumption. Designed for efficiency, it integrates advanced gas selling management systems to reduce operational costs and labor intensity for utility providers. The unit features built-in leakage protection, anti-tamper security, and automatic valve control based on pre-paid storage, ensuring reliable and secure service delivery.

Compliance & Standards

Standards & Certifications

OIML R31-1995, GB/T6968-1997, CJ/T112-2000, IP-67 Rated, EEX ia IIA T4

Operating Environment

Operating Conditions

-20 °C

Min Temperature

50 °C

Max Temperature

98 %

Max Humidity

Performance Metrics

Accuracy & Performance

Parameter	Value
Permissible Error (QmindQd0.1Qmax)	± 3%
Permissible Error (0.1QmaxdQdQmax)	± 1.5%
Repeatability	± 0.1%
Turn down Ratio	100:1

Technical Specifications

Capacity & Connection Guide

Model	Flow Range (m3/h)	Connection Size
CG-L-J1.6	0.016 - 2.5	3/4" x 3/4"
CG-L-J4	0.04 - 6	3/4" x 3/4"
CG-L-J10	0.10 - 16	1" x 1"
CG-L-J25	0.25 - 40	2" x 2"
CG-L-J65	0.65 - 100	2" x 2"

Construction & Materials

Construction Details

- Body/Case Material: Steel
- Diaphragm Material: Synthetic material
- Hermetically sealed body halves
- Tamper-proof index box
- Lead embossed sealing for security

Power & Connectivity

Power & Operation

- Power Source: 1AA Lithium/Mn or 3AA Alkaline batteries
- Operating Voltage: 2.7 V to 5.5 V DC
- Battery Service Life: 10 years
- Battery Operational Life: 5 years
- Low-Power CMOS technology

Security Features

Security & Anti-Tamper

Anti-Magnetic Interference, Leakage Protection, Gas Theft-proof, Anti-Unauthorized Card Attacks, Encryption Technique, Valve Auto-Close on Tamper