

Ultrasonic Gas Metering Solution

FC-722C-JME Ultrasonic Gas Metering Module

Overview

Based on a series of key technological breakthroughs and nearly 10 years of ultrasonic technology accumulation, Friendcom has achieved independent research and development of all ultrasonic metering products, and owns a number of technologies and independent intellectual property rights in this field.

The metering module products currently launched by Friendcom mainly cover the measurement range of G1.6-G25 for residential and industrial and commercial ultrasonic gas meters, achieving stable measurement over the full range of temperature.



Product Highlights

Parameters	Value			
Model	G1.6M	G 2.5M	G4M	G6M
Qmax	2.5m³/h	4m³/h	6³/h	10m³/h
Qmin	0.016 m³/h	0.025m³/h	0.04m³/h	0.06m³/h
Qt	0.25m³/h	0.4 m³/h	0.6m³/h	1.0m³/h
Qr	3m³/h	4.8m³/h	7.2m³/h	12m³/h
Qs	≤3dm³/h	≤4dm³/h	≤5dm³/h	≤8dm³/h
Measurement Level	Better than Class 1.5			
MPE	$q_{min} \leq q \leq q_t \leq \pm 3\%$, $q_t \leq q \leq q_{max} \leq \pm 1.5\%$			
Working Temperature	-25°C ~55°C			
Temperature Compensation	Support			
Combined Working Current	≤ 30uA (24 hours static + 4 hours constant flow + 1 hour pulsating flow)			
Working Power Supply	3.0V-3.6V external power supply			
Interface Mode	UART			