



iQ Flow sensors



Series:

iQ Flow sensors

System performance:

Flow range	0-001 SLPM 0-010 SLPM 0-050 SLPM 0-100 SLPM 0-300 SLPM
Accuracy	$\leq \pm 2.5\%$ of FS
Repeatability	0.5%
Max pressure inlet	≤ 29 PSI (200 kPa)
Burst pressure	0-001SLPM ≥ 43 PSI 0-010SLPM ≥ 101 PSI
Operating temperature	0°- 50°C
ΔP_{max}	≤ 0.145 PSI (0-001SLPM) ≤ 0.290 PSI (0-010SLPM) ≤ 0.348 PSI (0-050SLPM) ≤ 0.348 PSI (0-100SLPM) ≤ 0.145 PSI (0-300SLPM)
Flow media	Dry, non-corrosive gas
Response time	≤ 3 ms

Electrical Characteristics:

Supply voltage	5-14 VDC
Working current	≤ 30 mA
Output	0.5-4.5 VDC
Electrical connector	PH 2.0 2.54mm*5p

**Please contact iQ Valves for more options and customizable solutions*

The iQ Flow Sensor is a compact and dependable device for precise measurement of dry, non-corrosive gases. It provides stable and repeatable flow readings, making it perfect for applications requiring consistent performance and precise monitoring. The sensor is designed to reduce pressure drop, guaranteeing smooth airflow while maintaining system efficiency. Its quick response allows for real-time monitoring and control, making it suitable for dynamic or feedback-driven systems. It connects readily into a variety of electronic systems and operates efficiently across a wide voltage range while consuming little power. The sensor's robust design enables it to withstand system pressures, ensuring long-term reliability even in challenging situations. Its compact size and simple electrical and port connections make it ideal for medical, laboratory, and industrial applications that require precision and durability.

Features:

- Accurate and repeatable flow measurement for dry gases.
- Fast response with minimal pressure drops for real-time control.
- Compact, low-power design for easy system integration.
- Robust construction for reliable operation in various environments.
- Simple installation with user-friendly port and electrical connections.

