



Key Features

- Solid-state, No Moving Parts
- Proven Ultrasonic Technology
- Lightweight, Compact Design
- Developed for Anaesthesia & Ventilation Monitoring



This medical gas flow sensor has been developed for the medical fields of anaesthesia and ventilation monitoring.

The medical gas flow sensor uses proven ultrasonic techniques to measure gas flow reliably and accurately with no moving parts. Compared with other technology, the medical gas flow sensor provides extended functionality, reduced lifetime costs and improved reliability.

The sensor can measure extremely low and high flow rates with no change in configuration. This, combined with a high sample rate, gives an accurate, very quick response capable of giving detailed information about very small changes in flow rate.

Unlike other flow sensors, this sensor retains its accuracy despite the presence of moisture and changes in temperature and humidity associated with this type of respiratory application



Flow Measurement

Flow Range	± 0.2 to 150 l/min
Sample Rate	100Hz
Flow Accuracy	±3%
Resolution	0.01 l/min
Resistance to Flow	<2cm H2O @60 l/min

Mechanical

Supply Voltage	12V, 80mA peak
Outputs	RS232 or pulse frequency proportional to flow rate
Operating Media	Air and all common anaesthetic gas mixtures

Notes

This product is a prototype and is not available for general sale. Please contact us if you have a requirement for a similar product development.



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