Thermal gas flow sensor FS2 with long wires



Flow range from 0 to 1 m/s (half bridge mode), -20 °C to +150 °C, detection of flow direction

The Thermal gas flow sensor FS2 boasts excellent long-term stability and reproduceability. It detects flow direction and measures a flow range from 0 to 1 m/s (half bridge mode) and operates between -20 °C to +150 °C.

Product Name: FS2T.0.1E.300
Measured medium: Gas Flow
Flow direction: Two directions (kalorimetric)
Operating temperature range: -20 °C to +150 °C
Chip size/dimensions: 5.0 x 3.5 x 0.2 mm
Connection type: Enamelled copper wire
Wire dimensions: Ø 0.2 mm, 300 mm long
Flow range full bridge mode: 0 to 1 m/s resp. 0 ml/min to 50 ml/min
Flow range CTA mode: 0/ms to 100 m/s resp. 0 l/min to 5 l/m

Response time t63: < 0.5 s
Response sensitivity: 0.001 m/s (50 µL/min)
Substrate: Ceramic
Product Old code: 050.00262
Product code: 103742

Product details

Product description FS2

iST FS2 flow sensors are optimal for measuring gas flow and flow direction.They are suitable for gas measurement and offer excellent long-term stability. In addition to measuring flow rates, the FS2 gas flow sensor is able to detect flow direction with outstanding sensitivity. The FS2 is made of ceramic and glass which are inert, even if used in direct contact with 100% oxygen.

Benefits & Characteristics of the FS2

- Simple signal processing
- Simple calibration
- Bare sensor resists up to +450 °C (customer specific)
- Stable platinum technology
- Excellent reproducibility
- No moving mechanical parts

Customer-specific sensor available upon request

Quality

Consistent with the well-known, high-quality standards in Switzerland, iST is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

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The online shop

Quantity (pieces)	Price (per piece)
1-49	CHF 26.60
50-99	CHF 23.86
100-150	CHF 21.12

Stock: **100**