



innovative
Sensor
Technology

Thermal gas flow sensor FS2



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 reproducibility. 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.025

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, 25 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: 050.00130

Product code: 103663

Product details

Thermal gas flow sensor FS2 with long wires > 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.

[> Read more](#)

The online shop

Quantity (pieces)	Price (per piece)
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5-49	CHF 27.13
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50-99	CHF 21.53
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100-150	CHF 19.06
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Stock: **37**