



innovative
Sensor
Technology

Thermischer Strömungssensor FS7 für Gase



Durchflussbereich von 0 bis 100 m/s, -20 °C bis +150 °C

Zur Messung von Durchflussraten mit symmetrischem Heizelementdesign und ausgezeichneter Empfindlichkeit und Reproduzierbarkeit. Dieser Allrounder zeichnet sich durch Langzeitstabilität und Reproduzierbarkeit aus.

Product Name: FS7.0.1L.195

Measured medium: Gasströmung

Flow direction: Eine Richtung (anemometrisch)

Operating temperature range: -20 °C bis +150 °C

Chip size/dimensions: 6.9 x 2.4 x 0.20 mm

Connection type: Cu/Ag-Litzen, PTFE-isoliert

Wire dimensions: 195 mm

Flow range CTA mode: 0/ms bis 100 m/s

Response time t63: ~200 ms (Sprung von 0 auf 10000 sccm)

Response sensitivity: 0.01 m/s

Substrate: Keramik

Sensor wire: 3 pins, Cu/Ag-stranded wires, PTFE insulated

Product Old code: 050.00216

Product code: 103705

Product details

Thermischer Strömungssensor FS7 für Gase > Details

Product description FS7

The IST AG FS7 thermal mass flow sensors are the successors of the FS5 flow sensors and exhibit a symmetrical heater design and enhanced sensitivity. The FS7 flow sensor is applicable in gas and offer excellent long-term stability. The small thermal mass of the FS7 sensor provides a fast response time. Additionally, the standard FS7 sensor is also available with a housing which is easily implemented into various applications.

The IST AG FS7 flow sensors are optimal for measuring gas flow in various flow applications.

Benefits & Characteristics of the FS7 gas flow sensor

- Easy adaptation in various applications and housings
- Excellent long-term stability
- Simple signal processing
- Simple calibration
- Stable platinum technology
- Excellent reproducibility

[Customer-specific sensor available upon request.](#)

The online shop

Quantity (pieces)	Price (per piece)
-------------------	-------------------

5-49	CHF 28.60
------	-----------

50-99	CHF 22.70
-------	-----------

100-150	CHF 20.09
---------	-----------

Lager: **144**