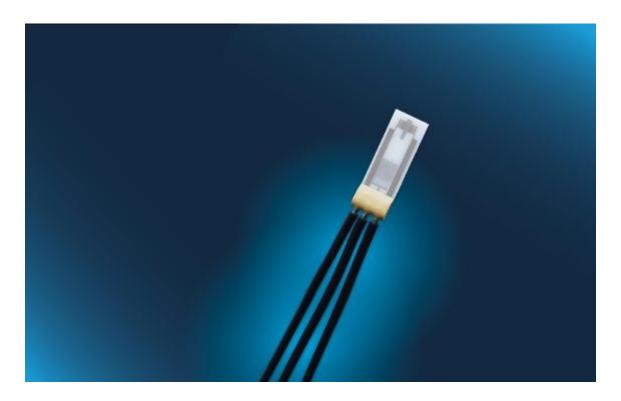


Thermal gas flow sensor FS7



Flow range from 0 to 100 m/s, -20 °C to +150 °C

For measuring flow rates using a symmetrical heater design and having an excellent sensitivity and reproducibilety. This all-rounder features long-term stability and repoducibility.

Product Name: FS7.0.1L.195 **Measured medium:** Gas Flow

Flow direction: One direction (anemometric)

Operating temperature range: $-20 \, ^{\circ}\text{C}$ to $+150 \, ^{\circ}\text{C}$

Chip size/dimensions: $6.9 \times 2.4 \times 0.20 \text{ mm}$

Connection type: Cu/Ag stranded wire, PTFE-insulated

Wire dimensions: 195 mm

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

Response time t63: ~200 ms (jump from 0 to 10000 sccm)

Response sensitivity: 0.01 m/s

Substrate: Ceramic

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

Product Old code: 050.00216

Product code: 103705

Product 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 27.76 50-99 CHF 22.04 100-150 CHF 19.50

Stock: **109**