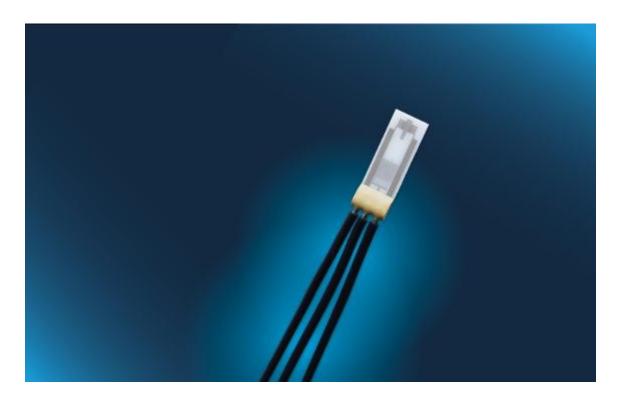


# Thermal gas flow sensor FS7



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

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