



innovative  
Sensor  
Technology

# Thermal gas flow sensor FS7 in positioning housing



Flow range from 0 to 100 m/s, -20 °C to +150 °C, easy orientation in a flow channel

For measuring flow rates using a symmetrical heater design and having an excellent sensitivity and reproducibility. It has a plastic housing for fast mounting into a flow channel

**Product Name:** FS7.A.1L.195

**Measured medium:** Gas Flow

**Flow direction:** One direction (anemometric)

**Operating temperature range:** -20 °C to +150 °C

**Housing material:** Plastic housing

**Chip size/dimensions:** 6.9 x 2.4 x 0.20 mm

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

**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, AWG30, PTFE-insulated, 195 mm long

**Product Old code:** 050.00217

**Product code:** 157213

## Product details

### Thermal gas flow sensor FS7 in positioning housing > 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)
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5-49	CHF 35.54
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50-99	CHF 28.22
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**Quantity (pieces) Price (per piece)**

100-150 CHF 24.98

Stock: **90**