# 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 °C to +150 °C
**Chip size/dimensions:** 6.9 x 2.4 x 0.20 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 28.60 |
| 50-99 | CHF 22.70 |
| 100-150 | CHF 20.09 |

Stock: **82**