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

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 35.54
50-99	CHF 28.22
100-150	CHF 24.98

Stock: **0**