



innovative  
Sensor  
Technology

# Thermal gas flow sensor FS7 in positioning housing



Durchflussbereich von 0 bis 100 m/s, -20 °C bis +150 °C, einfache Ausrichtung im Strömungskanal

Zur Messung von Durchflussraten mit symmetrischem Heizelementdesign und ausgezeichneter Empfindlichkeit und Reproduzierbarkeit. Mit Kunststoffgehäuse für die schnelle Montage in einem Durchflusskanal.

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

**Measured medium:** Gasströmung

**Flow direction:** Eine Richtung (anemometrisch)

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

**Housing material:** Plastikgehäuse

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

**Connection type:** Cu/Ag-Litzen, PTFE-isoliert

**Flow range CTA mode:** 0/ms bis 100 m/s

**Response time t63:** ~200 ms (Sprung von 0 auf 10000 sccm)

**Response sensitivity:** 0.01 m/s

**Substrate:** Keramik

**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)**

5-49

CHF 35.54

**Quantity (pieces) Price (per piece)**

50-99 CHF 28.22

100-150 CHF 24.98

Lager: **90**