SFS Module 50 sccm



Thermal mass flow module with linearized digital / analog output

Fast and compact flow module, suitable for gas dosing systems, manifolds and analyzers. Easy to integrate with compact design, factory calibration and pins for HW address setting

Fluidic interface compatible with mass flow meter OEM (Axetris MFM 2020, MFM, 2021, MFM 2xxx)

Product Name: SFS01-M-01-00050
Operating flow range: +/-50 sccm (ml/min)
Measured medium: Gas Flow
Operating temperature range: 0 to 80 °C
Housing dimensions: 48 x 34 x 14.5 mm
Housing material: Aluminum, FR4
Fluidic connection: Ø 2.2 mm i.D. flat gasket
Wetted materials: Aluminum, gold, FR4, silicon, silicon nitride, epoxy, nitrile
Connection type: PCB connector JST SM08B-SRSS-TB

Response time t63: 20 ms
Weight: 30 g
Supply voltage: 5V DC +/-5%
Output signal: I2C or 0 to 1 V
Accuracy: 2% f.s. (digital output)
Repeatability: 0.2 % f.s.
Product code: 154809

Product details

Benefits & Characteristics of the SFS01

- Very fast response time <5 ms
- Very low energy consumption
- Easy system integration including temperature compensation

Customer-specific sensor available upon request.

Product description SFS01

The SFS is IST AG's first flow sensor based on silicon technology. It is operated according to the calorimetric principle and can therefore detect not only the flow velocity but also the flow direction.

The symmetrical design of the SFS flow sensor allows an easy interpretation and evaluation of the measurement signal. The sensor can be used in different gases. It is characterized by a high sensitivity, a very fast response time and an extremely low energy consumption.

Well-adapted channel geometries allow the performance of the sensor to be optimally aligned to the desired application. The SFS01 flow sensor is ideally suited for space-limited applications, but can also be easily upgraded to complete ready-to-use systems.

Suitable application areas for the SFS01 flow sensor are flow measurements in battery-operated / portable devices, air conditioning technology (HVAC), automation technology as well as process and control engineering.

Quality

Consistent with the well-known, high-quality standards in Switzerland, iST is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

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The online shop

Quantity (pieces)	Price (per piece)
1-5	CHF 190.00

Stock: **5**