



Flow sensors SFAM now with IO-Link® and integrated pressure sensor



Highlights

- IO-Link® communication
- Integrated pressure sensor
- Quick to commission thanks to replicating function
- Remote parameterisation via IO-Link®
- Output of energy consumption
- Temperature display

The new SFAM in all its different versions reliably measures flow rates of 10 ... 15000 l/min and transfers the data to your plant's control system using standardised IO-Link® communication. A high-contrast display and new, updated operating components offer very convenient and reliable operation, even in industrial environments.

Compact to install

When combined with the MS6 and MS9 service units, there is no laminar flow inlet; this saves installation space while also reducing installation effort. SFAM is also available as a stand-alone unit with laminar flow inlet. And it can now be installed vertically too.

One device for all tasks

The built-in pressure sensor and temperature measurement offer a wide range of options for process monitoring and control. In addition, the installation effort

and costs can be minimised by eliminating the need for an additional pressure sensor. The ability to measure the gases Ar, N₂, and CO₂ also allows you to monitor inert gas applications.

New with IO-Link® communication

All measurement data can be transferred to the control system via the IO-Link® interface. The advantages are minimal wiring effort, convenient remote parameterisation and a cost-effective, standardised connection cable.

Maximum flexibility for maximum cost efficiency

PNP or NPN? NO or NC? 0 ... 10 V, 1 ... 5 V or 4 ... 20 mA? The SFAM can do everything in one device. The electrical outputs can be switched using software. This also simplifies storage, reduces costs and provides greater flexibility.



Additional information:

Product page

> www.festo.com/catalogue/sfam



The new flow sensor SFAM with a wide range of functions

Key features

- Switchable analogue outputs (4 ... 20 mA / 0 ... 10 V and 1 ... 5 V)
- Changing colour display to visualise the switching status
- Adjustable volume pulse for measuring the consumption at control level
- Volume recorder with value memory in case the power inadvertently switches off
- Output of volume and mass flow rate as well as energy measurement in all the common units
- Security code can be freely selected and set (4-digit code)
- Min./max. value memory
- High accuracy, even at compressed air quality [7:4:4] to ISO 8573-1:2010

Keeping an eye on energy efficiency

With the SFAM, fluctuations and anomalies in compressed air consumption can be conveniently monitored via IO-Link®.

This also allows leakages to be monitored, even in large systems with high flow rates, which reduces operating costs. The

evaluation of the energy and thus the CO₂ consumption can be carried out at plant level thanks to the new output function of the

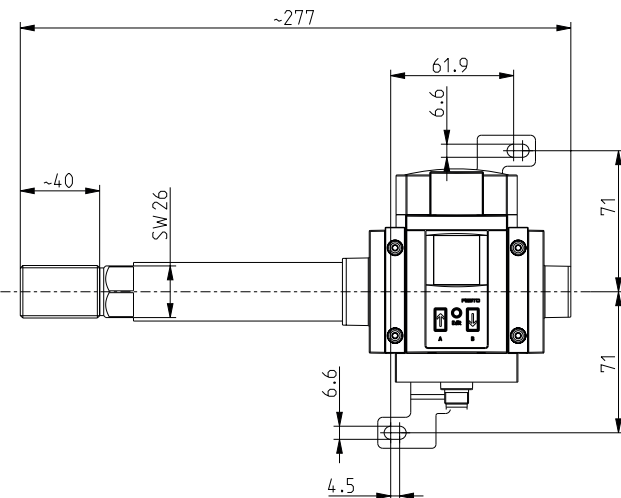
SFAM. This contributes significantly to managing energy consumption in production.

Technical data

Type	SFAM-62			SFAM-90	
Flow rate range (l/min)	10 ... 1000	30 ... 3000	50 ... 5000	50 ... 5000	100 ... 10000 150 ... 15000
Measurement method	Thermal				
Flow direction	Unidirectional				
Measured variables	Volume flow, mass flow, pressure, temperature, mass, volume, pneumatic energy, pneumatic power				
Operating pressure (bar)	0 ... 16				
Accuracy	+/- (3% o.m.v. + 0.3% FS)				
Repetition accuracy zero point	0.2% FS				
Repetition accuracy span	0.8% FS				
Mounting types	Block mounting service unit, female thread G1/2, male thread G3/4				
Electrical connection	M12-A to EN 61076-2-101				

Dimensions

SFAM-62-...-T/W for individual assembly



SFAM-62-...-M for manifold assembly

