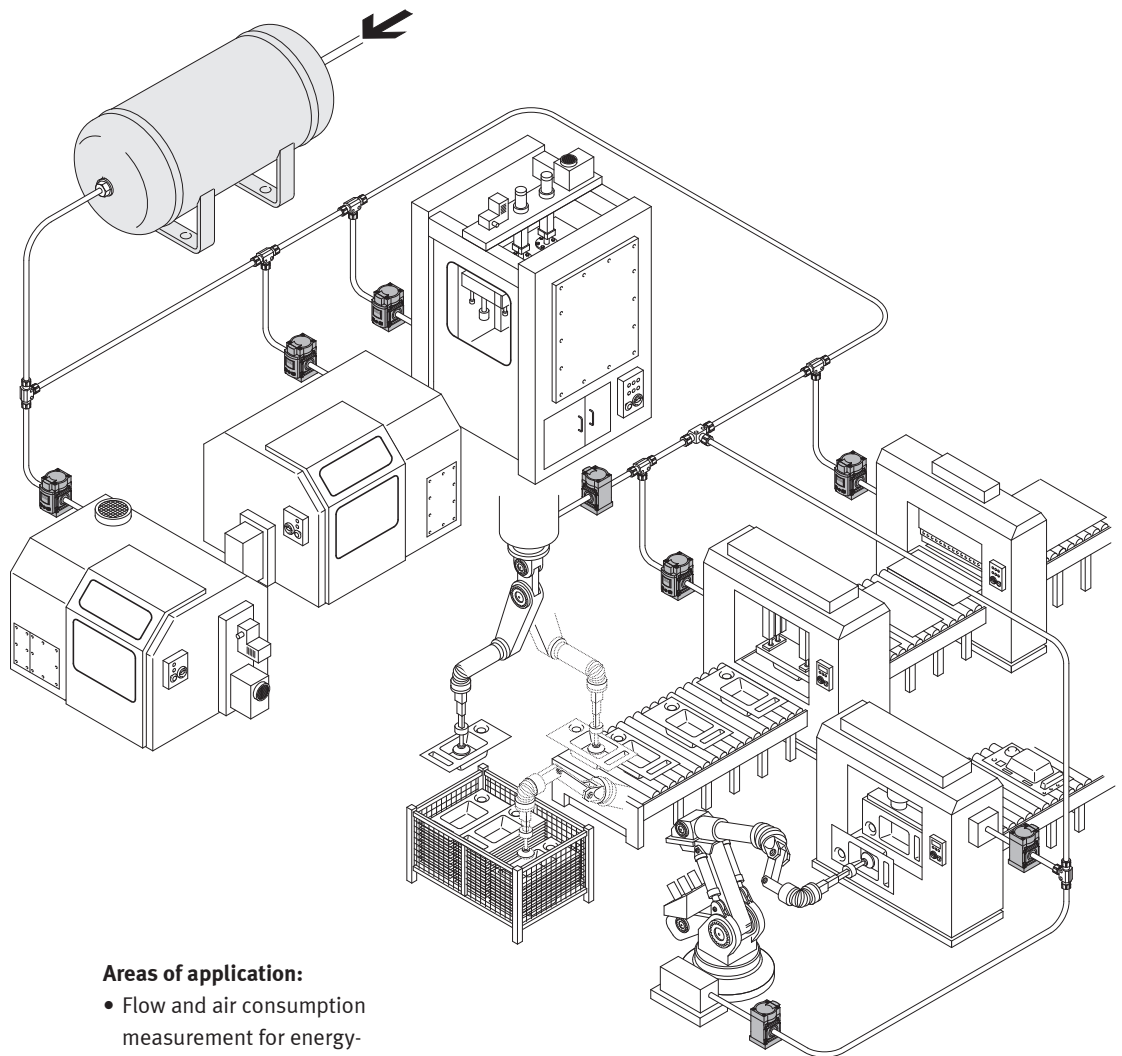


Flow sensors

By monitoring the flow, a simplified diagnostic and condition monitoring process can be implemented. A change in the flow rate is often an indication that problems are likely to occur.



Areas of application:

- Flow and air consumption measurement for energy-efficient sensing
- Leakage monitoring
- Sensing for picking up very small parts (extra small vacuum suction nozzles)
- Presence checking
- Leak tightness testing



IO-Link

Compact: the SFAH monitors the flow rate of compressed air and non-corrosive gases

Many industry sectors will appreciate the flexibility it offers in terms of its compact design (20 x 58 mm), numerous installation options and space-saving adjustable QS elbow connections.

- Switchable electrical outputs
- 8 flow rate measuring ranges from 0.002 l/min ... 200 l/min
- Large operating pressure range -0.9 ... +10 bar



IO-Link

Impressive, simple, reliable: flow sensors SFAB

Our new flow sensors, featuring an attractive display and control concept, are extremely impressive when it comes to flow monitoring, leakage detection and leak tightness testing of end products.

- Monitoring using the teach-in function or by entering values
- 5 flow rate measuring ranges from 0.1 ... 10 l/min. to 10 ... 1000 l/min.
- Mass and volumetric flow rates are displayed in the usual measurement units
- Switching output with adjustable volume capacity
- Optional security code can be freely selected (4-digit code)
- The analogue output needs to be scaled in line with the measuring range required for the application
- Offset compensation is possible
- Min./max. value memory



Compact, yet capable of high flow rates: flow sensors SFAM

The SFAM can be used as a stand-alone device or in combination with MS series service units. A large and bright display provides flow and consumption information,

threshold values and convenient switching point adjustment.

- Switching in line with 3 standard conditions (DIN 1343, ISO 2533, ISO 6358)
- Flexible installation thanks to the compact design
- Unidirectional flow sensor with display: choice of left or right
- Flow ranges: 1000, 3000, 5000, 10000, 15000 l/min
- A high dynamic response of 1:100 offers an extensive measuring range with specific accuracy



IO-Link

Easy monitoring of liquid media with the flow sensor SFAW

The SFAW measures the flow rate, the consumption and the temperature of liquid media within the two measuring ranges. Its simple operation and the easy-to-read display make the SFAW very process reliable.

- 1.8 ... 32 l/min and 5 ... 100 l/min.
- Uniquely flexible connection concept
- Easy sensor replacement without tools
- IO-Link 1.1
- A great view: the display can be rotated 340°



The flow transmitter SFTE is suitable for monitoring small flow rates.

The non-linear sensor signal is output as an analogue voltage signal. This signal can optionally be processed, for example by a controller or a signal converter.

- Pick and place of extremely small workpieces (large signal swing)
- Fast (rise time: 3 ms)
- Compact and lightweight
- 4 variants (1 ... 10 l/min.)