SCHMIDT Technology
Your Local Partner

Local technical advice and assistance – before and after purchase – are a matter of course for **SCHMIDT Technology**. We are represented worldwide in many countries in numerous industrial markets. Due to skilled technical staff in each country we offer you optimal support in the selection and practical application of the **SCHMIDT® Flow Sensors**.

Visit our website where you can find further information, documentation, as well as national and international contact addresses.
www.schmidttechnology.com

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SCHMIDT® Flow Sensor
Precision by Competence

The production of sensors requires high knowledge in physical and technical areas for exact measurement of gas velocity.

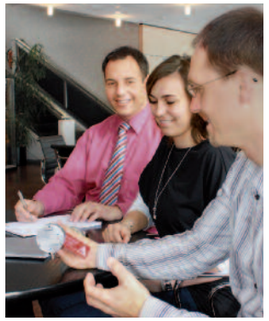
SCHMIDT Technology develops and produces innovative flow sensors of highest precision.

For precise calibration an atmospheric flow channel up to 70 m/s is available.

Calibration with velocities up to 200 m/s are reached in a closed reference channel.

On request, the high precision of our sensors can be certified by ISO calibration certificates.

SCHMIDT® Flow Sensors
Customised Solutions



One of **SCHMIDT Technology's** strenght's is the development and production of customised sensors.

Our offer in the OEM-area includes:
- Mutual product development
- Special flow sensors according to your requirement profile
- Customised design

Our flexible production enables such OEM-solutions even for small quantities

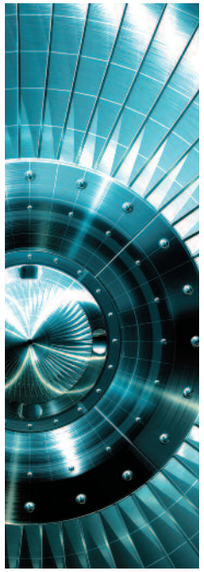
SCHMIDT Technology offers qualified application advice, functional samples, service and, if desired, intensive training.

SCHMIDT® Technology

Easy Improved Measurement!
SCHMIDT® Flow Sensors

Measuring with Safety in Air and Gases

SCHMIDT® Flow Sensors
Solutions for the Measuring Technical Practice



The exact measurement of air and gas velocities is useful for different applications such as:
- Energy saving / Energy efficiency
- Determination of consumer data
- Quality assurance of processes
- Warranty in security of persons and appliances
- Control of ventilators, dampers
- Functional control

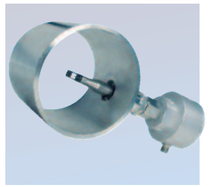
SCHMIDT® Flow Sensors, working on the basis of thermal measuring principle, offer the solution for many tasks. Simple installation and fast initial operation on site are their typical features. For the volume flow measurement no further measuring value such as pressure or temperature is required due to the measuring principle. Extreme measuring range limits with a sensor permit the measurement of so-called standby as well as operating volume flows. The flow sensors operate continuously for years - without any wearing parts!

For each application three different designs are available for selection.

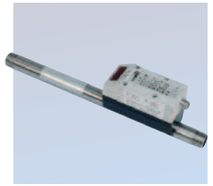
The dumb-bell head is dirt and dust resistent, easy to clean and measures flows from 0,06 m/s on.
The chamber head offers a very wide measuring range up to 200 m/s as well as the output of the medium temperature, if required.
The thermopile head is used in clean gases for smallest flows and for detection of flow direction.

For Pressured-Air Use

For measurements in pressured-air applications either insertion sensors or so-called inline sensors are used.



Insertion Sensor SCHMIDT® Flow Sensor SS 20.60
Measuring range from 0,2 up to 200 m/s (important for small tube diameters), with analog and digital output or in FIELDBUS version, for overpressure up to 16 bar – robust, reliable and universally applicable.



Inline Sensors SCHMIDT® Flow Sensor SS 30.300 – 30.303
Volume flow measurement with integrated measuring tube DN 20 up to DN 50. Measuring range up to 712 Nm³/h. Direct indication of the volume flow consumption by LED-display. 2 signal outputs, configurable for different measuring values. For an overpressure up to 16 bar. The rapid plug & play solution.

Typical applications:
- Determination of consumer values and recording of consumer curves
- Maximum volume flow – efficiency reserve of compressor
- Leakage detection
- Energy contracting
- Cost determination per equipment

For all kinds of Industrial Processes

For measurement in industrial processes. Typical applications are:

Measurements on industrial furnaces/burners with SCHMIDT® Flow Sensor SS 20.60 HT, SS 25.60
Up to +350 °C and 16 bar overpressure, measuring range up to 200 m/s, measurment of pure oxygen up to 100 %.
Applications:
- Measurement of the supply air and fuel ratio
- Furnace atmosphere
- Supply air volume flow

Measurements in drying processes Supply air control with SCHMIDT® Flow Sensor SS 20.260, SS 20.200
Up to 50 m/s flow velocity and temperatures up to +120 °C
Applications:
- Volume flow determination of drying air
- Fuel and air consumption measurement on industrial burners

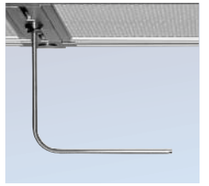
Measurement in production processes with SCHMIDT® Flow Sensor SS 20.500
From 0,06 up to 35 m/s, ATEX Cat. 3, special coating for aggressive gases, overpressure up to 10 bar, analog output signals for m/s and °C.
Applications:
- Dust exhaustion
- Volume flow control
- Supply and exhaust air control

For Pharma and Cleanroom Applications

For the flow measurement in the pharma sector and for cleanroom applications there are special sensors available:

Thermopile Head Sensors SCHMIDT® Flow Sensor SS 20.400, 23.400, 20.415
Measuring range from 0,05 up to 20 m/s, determination of flow direction, self control, ATEX-version, configurable by PC, rapid-installation-method, GMP-compliant design, analog or switching outputs.

Dumb-bell Head Sensors SCHMIDT® Flow Sensors SS 20.015/16, 20.200, 20.500
Resistent to pollution (dust), measuring range from 0 up to 35 m/s, 360° upstream flow angle, simple installation, version with analog or switching outputs.



Applications:
- Laminarflow monitoring and control
- Room overflow monitoring
- Cooling air monitoring
- Filter monitoring
- Volume flow measurement on test stands