

SCHMIDT[®] Flow Sensors for Compressed-Air Consumption Measurement

Product Advantages

- ✱ Direct measurement of normal volume flow
- ✱ High turn-down ration up to 1:800
- ✱ Minimum pressure loss
- ✱ One sensor type for several pipe diameters
- ✱ Retroactive mounting in existing pipes
- ✱ For pressure up to 16 bar

Range of Products



SCHMIDT[®] FlowSensor SS 20.60



SCHMIDT[®] Flow Sensor SS 20.60 FB



SCHMIDT[®] Display Module SS 20.031

The economic solution for every pipe

- ✱ For pipes from 1 to 40 inches
- ✱ Easy and quick installation

The automation solution

- ✱ Fieldbus-Interfaces
Profibus DP or DeviceNet
- ✱ Sensor calculates mass-flow in user selected unit: m³/h, scfm, l/s and others

The clever display

- ✱ Easy on-site programming
- ✱ Calculates Flow rate and total consumption

Application Report Flow Sensors



Examples of successful installations



Measuring pipe with SS 20.60 at [Swarovski AG](#) (Austria)
with a clever bypass solution.



Consumption Monitoring at printing plant “Freiburger Druck”
with SCHMIDT SS 20.60. Picture showing view of printing machinery.

Application Report Flow Sensors



Compressor room of the company [Glatt](#), a manufacturer of pharmaceutical machines. The SCHMIDT sensor SS 20.60 is mounted in a pipe at the ceiling (not visible).



Monitoring the breathing air in a tunnel construction project of the Underground in Barcelona in conjunction with the drilling machines of the company [Herrenknecht](#)

Application Report Flow Sensors



Nitrogen tank at a manufacturer of machine needles where 16 sensors SCHMIDT SS 20.60 are used for consumption measurement of nitrogen.



SCHMIDT SS 20.60 FB with Profibus Interface at the nitrogen intake pipe (diam. 700 mm) of a large ceramics kiln..

Application Report Flow Sensors



Helpful web sites for compressed air users



www.deutsche-energie-agentur.de



www.druckluft-effizient.de



<http://energyefficiency.jrc.cec.eu.int/motorchallenge/>



<http://www.pneurop.org/>



www.vdma.org Branche Druckluft anwählen



<http://www.drucklufttechnik.de/>

Please ask for the "SCHMIDT customer reference compressed air".

ApplicationReport_SS_11_CompressedAir.doc