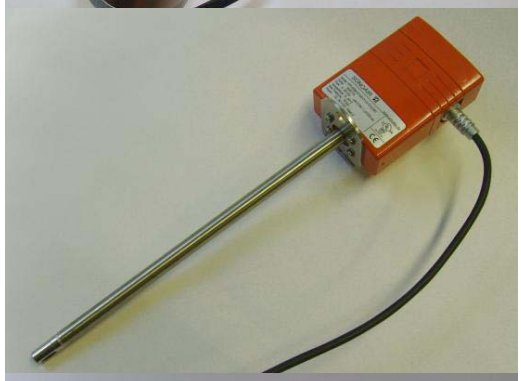
COST REDUCTION
FOR COMPRESSED AIR SYSTEMS



SONOAIR
FLOW METER FOR COMPRESSED AIR

easy
fast
reliable
low cost

SONOTEC

SONOAIR PRODUCT LINE

flow meter for compressed air

Compressed air is a very expensive energy source. In fact, it can be about 20 times more expensive than electricity*.
In many cases, compressed air is wasted due to leakages, non-optimal compressor configurations or misuse. The SONOAIR system helps you to find these energy losses and to eliminate it.

State of technology

Due to the use of modern sensor technology, you can rely on highly accurate measurement results. The flow meter operates according to a thermal mass flow principle. The flow causes the sensor to cool down. This cooling is converted into a measuring signal and is digitally processed.

Flexible to use

Whether the measurement of compressed air consumption is performed on a temporary or permanent basis, with SONOAIR you will have an excellent tool at your disposal.
SONOAIR offers solutions for pipe diameters of DN 15 up to DN 400.

Features:

- Solid sensor chip
- Digital signal processing
- Different outputs and data interfaces
- Configuration and data processing software
- Installation accessories

Advantages:

- Easy installation
- Multiple applicable
- Wide range of accessories
- User-friendly software

*Reduction of air costs

The following example clarifies the financial results of a very small leakage, not perceptible from a person.

Operation pressure of plants:	7 bar
Stand-by:	335 days/year

1 mm² area of leakage corresponds to power loss of the compressor of 1.7 kW = 10 m³/h.
operating costs of compressed air: 0.025 EUR/m³ (mean value)

Minimum costs per year caused of these leakages:
335 days x 24 hours x 10 m³ x 0.025 EUR/m³
= 2.010 EUR

As soon as the leakage in the plants can be perceived acoustical, the costs of losses are already Increased to about 10.000 EUR per year.

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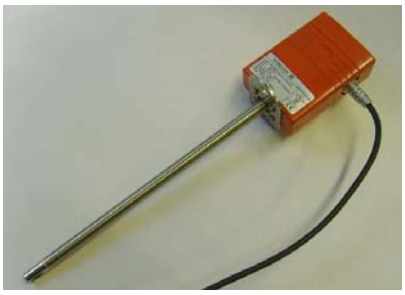
DIN EN ISO 9001: 2000 TÜV Cert

SONOAIR MIP

SONOAIR measures mass flow, pressure and temperature simultaneously. It features a display with keypad and a built-in data logger.

- Flow ranges: up to 150 Nm/s
- Outputs: RS485, 4…20 mA
- Installation by clamp collar connection for pipes from DN 50

SONOAIR IP



For mobile measurements, stationary compressed air measurements

- Measurement ranges: 0…20 Nm/s, 0..80 Nm/s, 0…150 Nm/s (other ranges on request)
- Outputs: RS232, 4..20 mA, pulse

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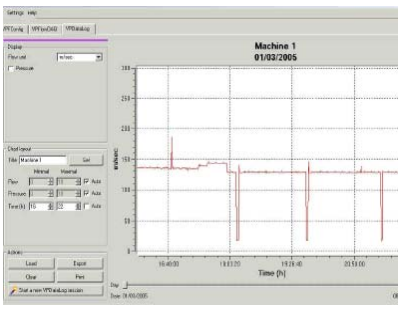
The solution for pipes of DN 15 up to DN 50 will be delivered with measuring pipe.

- Measuring range: up to 750 Nm³/h (2”)
- Outputs: RS232, 4..20 mA, pulse

SONOAIR Suite



By using SONOAIR Suite you can configure the sensors, readout the data and adapt the instrumentation to your measuring task.

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- Power supply and separate measured value indication
- Storage of data for analysis and further processing
- Also available as portable version

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