

FLOW METERS FOR COMPRESSED AIR AND GASES

We measure your air/gas consumption





WELCOME TO
FRESH IDEAS

Flow measurement is one of the key factors in any industries to ensure energy efficiency and associated cost reduction to stay ahead of competition.



FLOW METERS for any application

Flow meters are our passion, we provide solutions which fits your needs. No matter if you need a compact flow meter for measurements on the spot or an easy to install, long term stable flow meter. A flow meter for wet and dirty air or you need one for explosive and harsh environments.

SUTO iTEC has the right flow meter which fits your needs.

ENERGY EFFICIENCY

CONSUMPTION
MONITORING

LEAK DETECTION

PROCESS EFFICIENCY

COST REDUCTION

SELECTION TABLE

Application / Medium to measure	Installation Point	Sensor Model	
		Insertion Type	Inline Type
Dry Compressed Air / Dry Gas	Main header	S 401	S 421
	Point-Of-Use		S 415/S 418/S 421
	Big pipes (>DN65)	S 401/S 450	
	Outdoor	S 450	S 452
	Hazardous environment (ATEX / IECEx)	S 450	S 452
Wet Compressed Air / Wet Gas		S 430	
Vacuum Pumps (Air)			S 419
Bi-directional Flow Measurement		S 401/S 430/S 450	
Small Flow Rates			S 415/S 418



S 401 / S 421

FLOW AND CONSUMPTION SENSOR FOR
COMPRESSED AIR AND GASES



SCAN ME FOR
MORE INFORMATION

S 401
S 421



Features

- Thermal mass flow – measures flow and total consumption
- Isolated Analog and Pulse / Modbus/RTU output
- Flexible installation under pressure, pipes sizes 1" ... 20"
- S 421: DN15 ... DN80 and optional flow conditioner
- 2 Calibration Curves can be saved to the internal memory
- S 421: Sensor is calibrated in its measuring section
- Can be used in almost any technical gas

SCAN ME FOR
MORE INFORMATION

S 450
S 452



S 450 / S 452

FLOW AND CONSUMPTION SENSOR FOR
COMPRESSED AIR AND GASES (ATEX/EX)

Features

- Thermal mass flow – measures flow and total consumption
- Rugged industrial enclosure for outdoor and hazardous environments
- ATEX/IECEX certification as option
- Isolated Analog and Pulse / Modbus/RTU / HART output
- All parts which are in contact with the medium are stainless steel
- S 452: Inline version with measuring section DN15 ... DN80
- No moving parts – laser welded sensor elements
- S 452: Measuring sections EN 1092-1 / ANSI-Flange or NPT-/ R-thread



S 430

FLOW AND CONSUMPTION SENSOR FOR
COMPRESSOR PERFORMANCE TESTS AND
FAD-MEASUREMENTS



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MORE INFORMATION

S 430



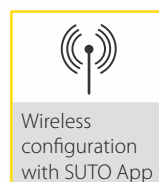
Features

- Pitot tube principle for wet air application
- Insertion type sensor – flexible installation under pressure
- No mechanical wear parts
- Isolated Analog and Pulse / Modbus/RTU / output
- Pipe diameters from 1" ... 20"
- Compressor-FAD-Measurement



S 415

FLOW AND CONSUMPTION SENSOR FOR
COMPRESSED AIR AND GASES FOR POINT
OF USE APPLICATIONS



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MORE INFORMATION

S 415



Features

- Thermal mass flow – measures flow and total consumption
- Economic flow sensor for point of use measurement
- Isolated Analog and Pulse / Modbus/RTU output
- Available in DN8, DN15, DN20 and DN25, G inner thread
- Integrated flow conditioner eliminates straight inlet requirements

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MORE INFORMATION

S 418



S 419



S 418 / S 419

FLOW AND CONSUMPTION SENSOR FOR
COMPRESSED AIR AND VACUUM APPLICATIONS

Features

- Thermal mass flow – measures flow, total consumption and pressure
- High accuracy
- Data logger integrated
- S 419: Calculates actual flow for vacuum pumps
- Isolated Analog and Pulse / Modbus/RTU



Flow measurement is one of the key factors in any industries to ensure energy efficiency and associated cost reduction to stay ahead of competition.

SUTO iTEC
your partner in measurement

SUPPORT
PARTNERSHIP
RELIABLE
INNOVATIVE
ACCURATE

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