CAT
COMPRESSED
AIR TECHNOLOGY

FLOW METERS FOR COMPRESSED AIR AND GASES

Measuring your air / gas consumption.

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

ENERGY EFFICIENCY

CONSUMPTION MONITORING

LEAK DETECTION

PROCESS EFFICIENCY

COST REDUCTION

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.

SELECTION TABLE

Application / Medium to measure	Installation Point	Sensor Model	
		Insertion Type	Inline Type
Dry Compressed Air / Dry Gas	Main header	**S401**	**S421**
	Point-Of-Use		**S415/S418/S421**
	Big pipes (>DN65)	**S401/S 450**	
	Outdoor	**S450**	**S452**
	Hazardous environment (ATEX / IECEx)	**S450**	**S452**
Wet Compressed Air / Wet Gas		**S430**	
Vacuum Pumps (Air)			**S419**
Bi-directional Flow Measurement		**S401/S430/S450**	
Small Flow Rates			**S415/S418**

FLOW METERS FOR COMPRESSED AIR AND GASES

S401 / S421

FLOW AND CONSUMPTION SENSOR FOR COMPRESSED AIR AND GASES

Wireless configuration with SUTO App

SCAN ME FOR MORE INFORMATION
S401
S421

Features
Thermal mass flow – measures flow and total consumption
Isolated Analog and Pulse / Modbus/RTU output
Flexible installation under pressure, pipes sizes 1" ... 20"
S421: DN15 … DN80 and optional flow conditioner
2 Calibration Curves can be saved to the internal memory
S421: Sensor is calibrated in its measuring section
Can be used in almost any technical gas

SCAN ME FOR MORE INFORMATION
S450
S452

S450 / S452

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
S452: Inline version with measuring section DN15 … DN80
No moving parts – laser welded sensor elements
S452: Measuring sections EN 1092-1 / ANSI-Flange or NPT-/ R-thread

S430

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

Wireless configuration with SUTO App

SCAN ME FOR MORE INFORMATION
S430

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

S415

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

Wireless configuration with SUTO App

SCAN ME FOR MORE INFORMATION

S415

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

SCAN ME FOR MORE INFORMATION

S418

S419

Wireless configuration with SUTO App

S418 / S419

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
S419: Calculates actual flow for vacuum pumps
Isolated Analog and Pulse / Modbus/RTU / HART output

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