



Product Overview 2024

Measurement Technology for
Compressed Air, Gases and Liquids



Be smart. Measure it.

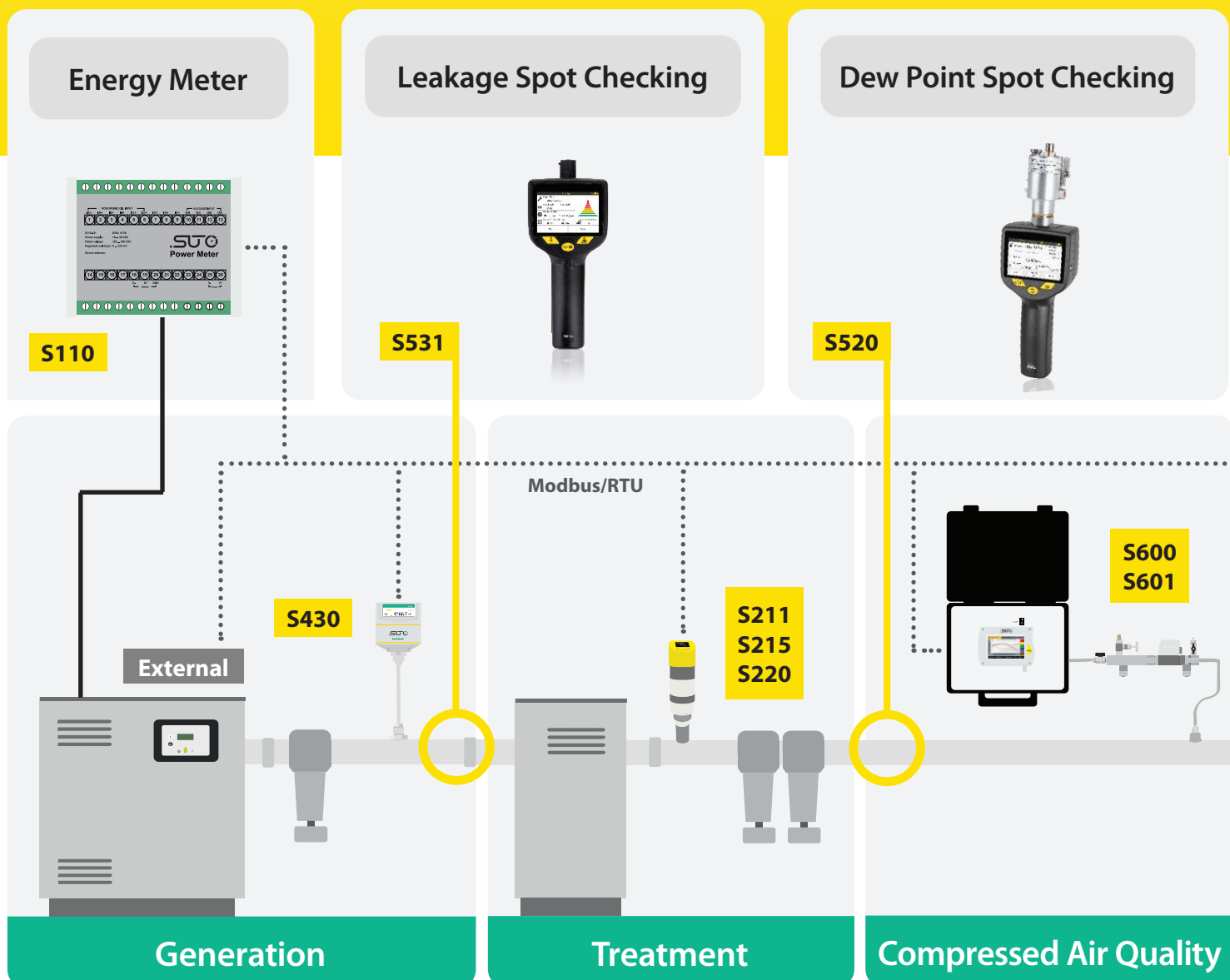
Advanced Measurement Solutions

Compressed Air and Gas Monitoring - get your system under control

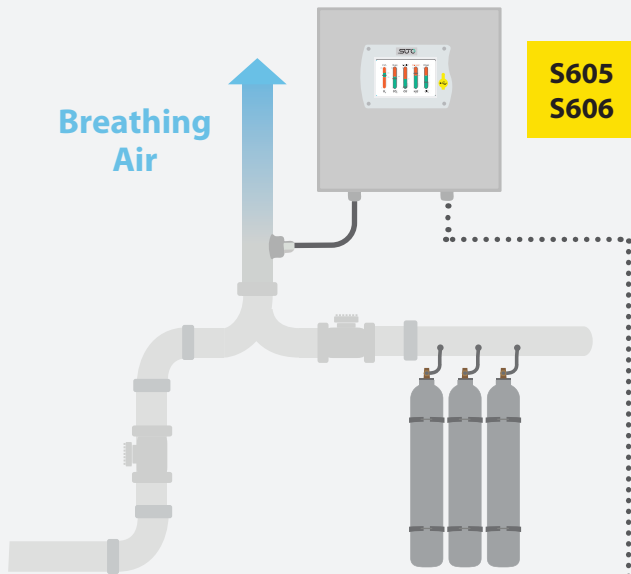
The use of compressed air and technical gases in modern production processes has become indispensable. Compressed air is used to drive actuators, machines and to control other automated processes. Technical gases and air are used to conserve food or are even becoming part of the product, like in the beverage production.

SUTO iTEC is a leader and trusted global partner for reliable measurement and monitoring solutions for compressed air and gas systems. Our wide range of products play a vital role in processes of leading companies around the world ensuring system reliability and efficiency.

- ✔ System Performance and Reliability
- ✔ Energy Efficiency and Cost Reduction
- ✔ Product Quality and Safety
- ✔ ISO Purity Requirements

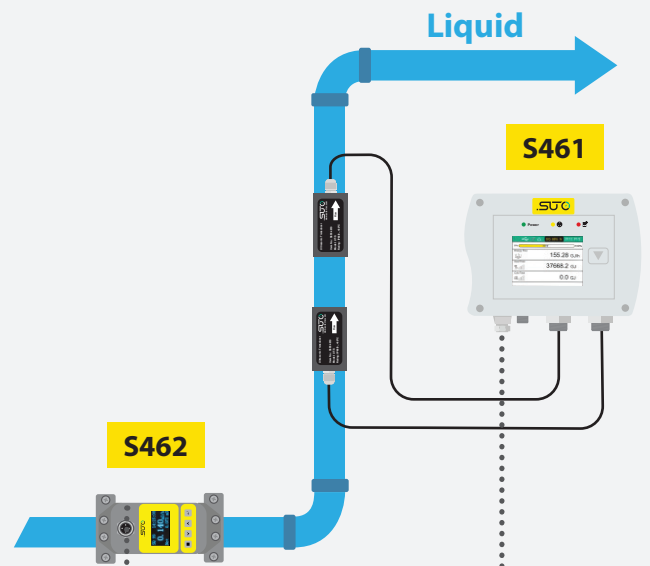


Breathing Air



S605
S606

Liquids



S461

S462

Data Logging

S330
S331



Data Analysis



S4M
SaaS

S401
S421



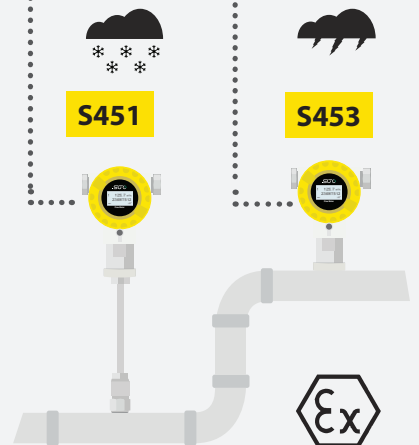
Modbus/RTU

S415 / S418

S415 / S418

S451

S453



Distribution

Point-Of-Use

Outdoor/Ex



Flow and Consumption Meters for Compressed Air and Gases



Pitot Tube Flow Meter for Wet Air

S430

Insertion



Installation

Insertion type for pipe sizes of DN32 to DN500 installation under pressure through 3/4" ball valve

Signal Outputs

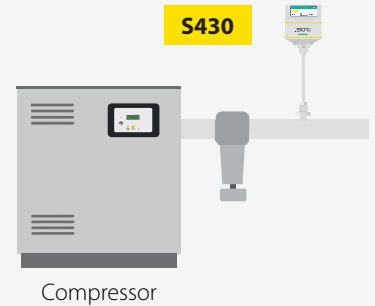
- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- Modbus/TCP
- M-Bus

Application

- Flow and velocity monitoring of the compressor outlet
- High temperature flow applications
- Compressor efficiency testing with S551 Portable Data Logger and S110 Power Meter

Generation

S430



Compressor



Wet Air
Measurement at the compressor outlet



Fast response time
For accurate results



Easy Monitoring
Effective measurements



Mobile App
For remote configuration



Stable Results
No mechanical wear parts

Thermal Mass Flow Meter

S401

Insertion



Installation

Insertion type DN25 to DN500, installation under pressure through 1/2" ball valve

Signal Outputs

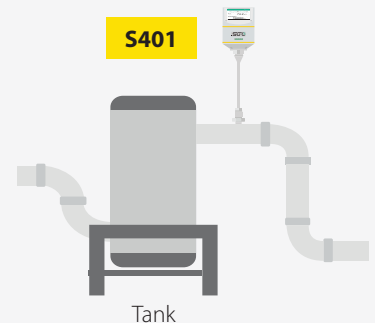
- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- Modbus/TCP
- M-Bus

Application

- Non-intrusive solution to measure compressed air and gas consumption and flow in main and distribution lines
- Applications in various industries, aiding in energy management, process control, cost allocation and quality assurance

Distribution

S401



Tank



Easy Installation
Through 1/2" ball valve under pressure



Mobile App
For remote configuration



Total Flow
Reliable measurements



IP65 Casing
Provides robust protection



Cost-efficient
Affordable sensor solution

Thermal Mass Flow Meter

S421

In-line



Installation

In-line type with measuring section DN15 to DN80 (Thread / Flange)

Signal Outputs

- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- Modbus/TCP
- M-Bus

Application

- Efficient solution to measure compressed air and gas consumption and flow in main and distribution lines
- Applications in various industries, aiding in energy management, process control, cost allocation and quality assurance

Distribution

S421



S421



Easy Installation
With pre-assembled measuring section



Mobile App
For remote configuration



Total Flow
Reliable measurements



IP65 Casing
Provides robust protection



Cost-efficient
Affordable sensor solution



Flow and Consumption Meters for Compressed Air and Gases



Compact Thermal Mass Flow Meter

S415

Economic



Installation

In-line type: G inner thread connection - DN8, DN15, DN20, DN25 or DN32 (ISO 228-1)

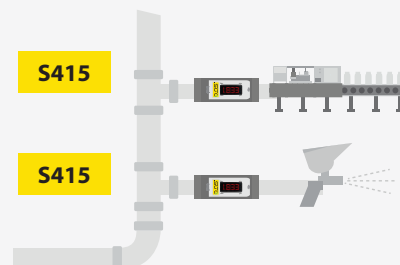
Signal Outputs

- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- M-Bus

Application

- Low cost and broad monitoring of general processes
- Compressed air flow and consumption monitoring of individual machines and processes to improve efficiency and reliability

Point-of-Use



Point-Of-Use
Monitoring of compressed air and nitrogen



Cost-efficient
Affordable sensor solution



Total Mass Flow
No bypass measurement



Compact Design
For easy and flexible installation



Flow Conditioner
No straight inlet required

Compact Thermal Mass Flow Meter

S418

High End



Installation

In-line type: G inner thread connection - DN8, DN15, DN20, DN25 or DN32 (ISO 228-1)

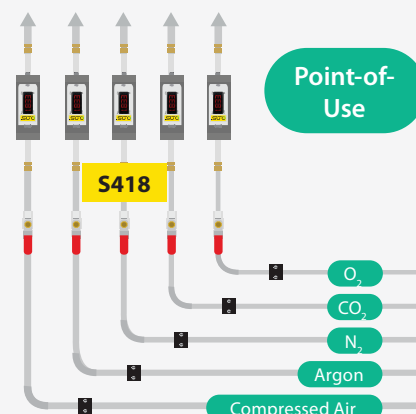
Signal Outputs

- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- M-Bus

Application

Accurate compressed air and gas flow monitoring, to discover weak points in the process flow, thus ensuring continuity and profitability.

Point-of-Use



Point-Of-Use
Monitoring of machines and consumers



Data Logger
Easy recording of measurement data



Total Mass Flow
No bypass measurement needed



Compact Design
For easy and flexible installation



Flow Conditioner
No straight inlet required

Compact Thermal Mass Flow Meter

S418-V

Vacuum



Installation

In-line type: G inner thread connection - DN8, DN15, DN20, DN25 or DN32 (ISO 228-1)

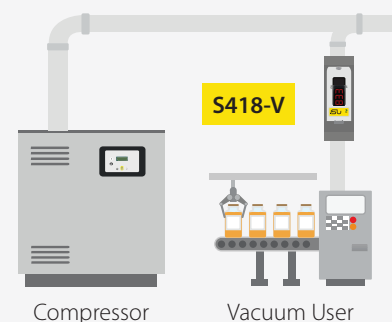
Signal Outputs

- Isolated 4 ... 20 mA & Pulse
- Modbus/RTU
- M-Bus

Application

- Performance monitoring of vacuum pumps.
- Monitoring of critical values in vacuum applications which help operators to ensure the process reliability.

Point-of-Use



Point-Of-Use
Monitoring of vacuum pumps



Vacuum Flow
Abs. Pressure Sensor integrated



Accurate Results
Integrated flow conditioner



Total Mass Flow
No bypass measurement needed



Compact Design
For easy and flexible installation



Flow and Consumption Meters for Compressed Air and Gases



Thermal Mass Flow Meter for Heavy Duty and Ex Applications

S451

Insertion



Installation

Insertion type DN25 to DN1000, installation under pressure through 3/4" ball valve

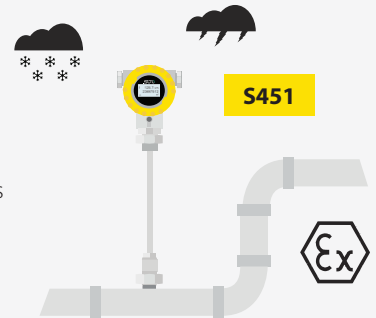
Signal Outputs

- 2 x 4 ... 20 mA, pulse & Modbus/RTU
- 2 x 4 ... 20 mA, pulse & Ethernet/APL (Modbus/TCP protocol)

Application

- Outdoor / all-weather flow applications
- Explosive environments
- Cost overview for gas consumption within the distribution network

Outdoor and Ex



Industrial Design

For applications in harsh environments



Easy Cleaning

All wetted parts stainless steel



Explosion Proof

Use in Ex-area applications



Accurate Results

Very fast response time



High Stability

Pressure & temperature independent

Thermal Mass Flow Meter for Heavy Duty and Ex Applications

S453

In-line



Installation

Inline type flow meter with measuring sections from DN25 to DN80 (R-thread / Flange)

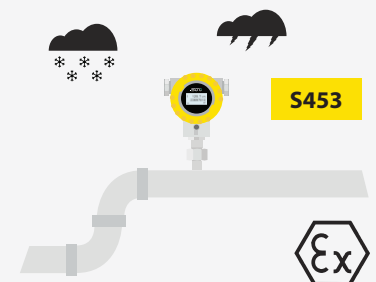
Signal Outputs

- 2 x 4... 20 mA, pulse & Modbus/RTU
- 2 x 4... 20 mA, pulse & Ethernet/APL (Modbus/TCP protocol)

Application

- Outdoor / all-weather flow applications
- Explosive environments
- Cost overview for gas consumption within the distribution network

Outdoor and Ex



Industrial Design

For applications in harsh environments



Easy Installation

With pre-assembled measuring section



Explosion Proof

Use in Ex-area applications



Accurate Results

Very fast response time



High Stability

Pressure & temperature independent

Thermal Mass Flow Direction Switch

S409

Insertion



Installation

Insertion type DN25 to DN500, installation under pressure through 1/2" ball valve

Signal Outputs

- Relay for forward
- Relay for reverse

Application

Flow direction switch for reliable indication of flow directions. Flow-Switch can be connected to bi-directional flow meters for direction detection.

Two separate relays for direction indication

Multiple Locations



Easy Installation

Non-intrusive solution



Minimal Effort

Supply via flow sensor



Thermal Measurement

Reliable direction detection



IP65 Casing

Provides robust protection



Cost-efficient

Affordable sensor solution



Dew Point Meters for Compressed Air and Gases



Dew Point Sensor

S211**-60 ... +20 °C Td**Optional
Display

Installation

G1/2" Process connection for installation directly in process or via measuring chambers.

Signal Outputs

- 4 ... 20 mA 2-wire + SDI
- 4 ... 20 mA 3-wire + SDI
- 4 ... 20 mA 3-wire + Modbus/RTU

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

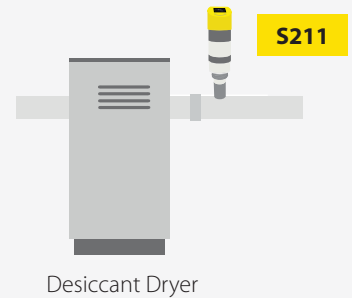
Operating pressure

- 0 ... 1.6 MPa
- Optional 35.0 MPa

Application

Dew point measurements after desiccant dryers

Treatment



Desiccant Dryer



Compact Design

Installation anywhere



-60 ... +20 °C Td

After desiccant dryers



Pressure Sensor

Integrated as option



High Precision

± 2 °C Td Accuracy



Long term stable

Low Maintenance Costs

Dew Point Sensor

S215**-20 ... +50 °C Td**Optional
Display

Installation

G1/2" Process connection for installation directly in process or via measuring chambers.

Signal Outputs

- 4 ... 20 mA 2-wire + SDI
- 4 ... 20 mA 3-wire + SDI
- 4 ... 20 mA 3-wire + Modbus/RTU

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

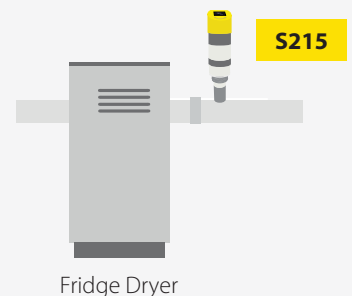
Operating pressure

- 0 ... 1.6 MPa
- Optional 35.0 MPa

Application

Dew point measurements after fridge dryers

Treatment



Fridge Dryer



Compact Design

Installation anywhere



-20 ... +50 °C Td

After fridge dryers



Pressure Sensor

Integrated as option



High Precision

± 2 °C Td Accuracy



Long term stable

Low Maintenance Costs

Dew Point Sensor

S220**-100 ... +20 °C Td**Optional
Display

Installation

G1/2" Process connection for installation directly in process or via measuring chambers.

Signal Outputs

- 4 ... 20 mA 2-wire + SDI
- 4 ... 20 mA 3-wire + SDI
- 4 ... 20 mA 3-wire + Modbus/RTU

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

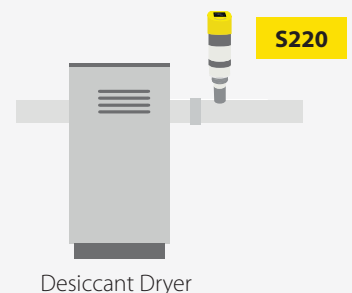
Operating pressure

- 0 ... 1.6 MPa

Application

Dew point measurements in high tech requirements and conditions

Treatment



Desiccant Dryer



Dual-Sensor-System

High accuracy thanks to QCM + polymer



-100 ... +20 °C Td

For high tech applications



Compressed Air Quality

Monitors humidity



Precise Measurement

± 2 °C Td Accuracy



Pressure Sensor

Integrated as option



Dew Point Meters for Compressed Air and Gases



Dew Point Transmitter for Ex Applications

S230 -100 ... +20 °C Td

S231 -50 ... +20 °C Td



Installation

G1/2" Process connection for installation directly in process or via measuring chambers.

Signal Outputs

- 4 ... 20 mA (isolated)
- Modbus/RTU

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

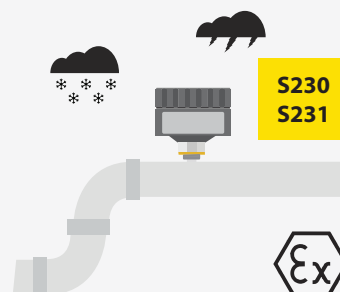
Operating pressure

- -0.1 ... 1.6 MPa (S230)
- -0.1 ... 35 MPa (S231)

Application

- Dew point measurement in explosive environments
- Outdoor / All-weather dew point measurement applications

Outdoor and Ex



Explosion Proof
Use in Ex-area applications



Low Dew Point
Measures down to -100 °C Td



Industrial Design
For rough environment



Precise Measurement
Unique QCM technology



Dual Sensor System
Full range precision

Dew Point Monitor

S305 -50 ... +20 °C Td

-20 ... +50 °C Td



Installation

Stationary Installation easy process connection via 6 mm quick connect

Signal Outputs

- 4 ... 20 mA 3-wire

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

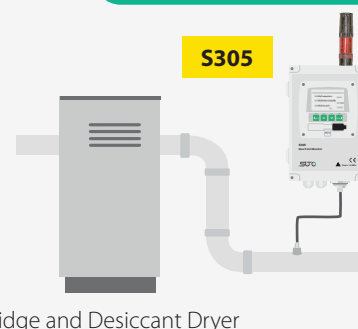
Operating pressure

- 0.3 ... 1.5 MPa

Application

- Monitor fridge and desiccant driers
- Simple after market installation
- Process humidity monitoring and notification in case of alarms

Dryer Monitoring



Plug & Play
Simple and fast connection



Fast Response Time
Time-efficient



-50 ... +50 °C Td
Range depending on model



Precise Measurement
± 2 °C Td Accuracy



Alarm Indication
With internal relays or alarm units

Portable Dew Point Meter

S520 -100 ... +20 °C Td

-50 ... +50 °C Td



Installation

Point-of-use spot checking with easy process connection via 6 mm quick connect

Operating pressure

-0.1 ... 1.5 MPa(g) (at least 0.3 MPa is needed for the measuring chamber supplied with the instrument)

Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

Signal Outputs

- Internal data logger
- On site print outs
- USB interface for data transfer

Application

- ISO 8573-1 dew point audits
- Dew point checks at the point of use
- Drier performance checks
- Measure absolute humidity in units like ppm or mg/m³

Mobile Measurements



Smart device
Dew point prediction



Pressure Sensor
Various humidity units



Low Dew Point
Measures down to -100 °C Td



Data Logger
Integrated mass storage



Dew Point Audits
Indication of classes



Air Quality Instruments for Compressed Air and Gases



Oil Vapor Monitor

S120

Display & Data Logger



Installation

Easy process connection
via 6 mm quick connect

Signal Outputs

- 4 ... 20 mA (isolated)
- Modbus/RTU
- Modbus/TCP (available for display version)
- Alarm Relay: NO, 40 VDC, 0.2 A
- USB

Pressure Range

- 0.3 ... 1.5 MPa
- 600 ... 1070 hPa abs. (Ambient version only)

Measured Gases

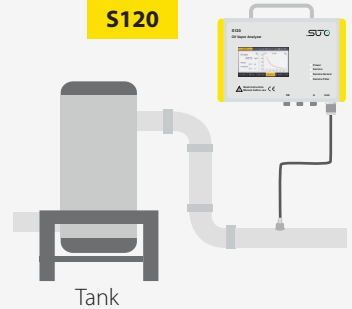
Compressed Air, Nitrogen N₂,
Carbon dioxide CO₂ (software
setting)

Application

Permanent monitoring of oil
content in compressed air
and gas systems to ensure
crucial processes in medical
and pharma industry, food and
beverage, semiconductor fabs
and high tech applications

Point-of-use

S120



Accurate Results
Latest PID sensor
technology



Compact Design
Can be installed
anywhere



Easy Installation
Plug and Play
Solution



Data Logger
Storage of
values



Dew Point Sensor
Option:
-100 ... +20 °C Td

Laser Particle Counter

S130

ECO (0.3 < d ≤ 5.0 µm)

S132

PRO (0.1 < d ≤ 5.0 µm)



Installation

Easy process connection
via 6 mm quick connect

Signal Outputs

- Modbus/RTU
- Alarm Relay: NO, 40 VDC, 0.2 A
- USB

Pressure Range

0.3 ... 1.5 MPa

Measured Gases

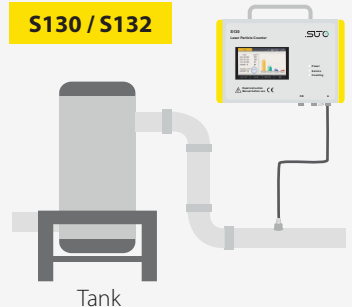
Compressed Air, Nitrogen N₂,
Carbon dioxide CO₂
(software setting)

Application

- Permanent particulate
measurement
and monitoring of
compressed air and
gases in high tech
applications.
- Fulfilling requirements
according to
compressed air standard
ISO 8573-4.

Point-of-use

S130 / S132



**Particle
Measurement**
According
ISO 8573



Pro Version S132
Smallest channel
0.1 < d ≤ 0.5 µm



Data Logger
To save and
print data



Easy Installation
Plug and Play
Solution



Eco Version S130
Smallest channel
0.3 < d ≤ 0.5 µm

Portable Compressed Air Purity Analyzer

S600

5 in 1 Plug & Play



Installation

Easy process connection
via 6 mm quick connect

Signal Outputs

- Modbus/RTU
- Modbus/TCP
- USB
- 4G/LTE Modem (optional)

Pressure Range

0.3 ... 1.5 MPa

Measured Gases

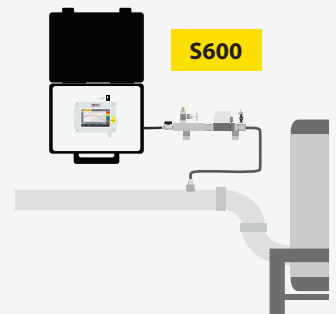
Compressed Air, Nitrogen N₂,
Carbon dioxide CO₂ (software
setting)

Application

- Air quality measurements in
medical, pharmaceutical, food
and beverage and other
applications
- Compressed air quality audits
in regards to the ISO 8573-1
- Monitoring of high tech ap-
plications with strict air purity
requirements

Mobile Measurements

S600



All in One
Dew point,
particle and
oil vapor



**Touch
Screen**
For easy
operation



**Portable
Unit**
Can be carried
with one hand



**High
Precision**
Accurate
measurements



**Compact
Design**
Makes it
unique



4G/LTE Option
For data
transfer



Air Quality Instruments for Compressed Air and Gases



Stationary Compressed Air Purity Monitor

S601

5 in 1 Plug & Play



Installation

Wall mountable cabinet with 6 mm hose connection

Signal Outputs

- Modbus/RTU (RS485)
- Modbus/TCP (Ethernet)
- USB

Pressure Range

0.3 ... 1.5 MPa

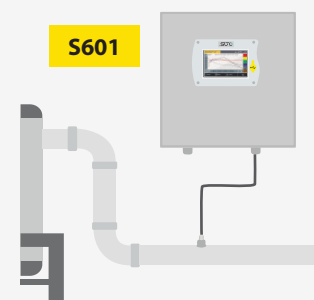
Measured Gases

Air / CO₂ / N₂ / O₂ / Argon

Application

- Permanent measurement and monitoring of compressed air quality in high tech applications with strict purity requirements, such as medical air, pharmaceuticals, food and beverage, etc.
- Ensuring compressed air quality standards as stated in ISO 8573-1.

Treatment



All in One
Dew point, particle and oil vapor



Easy to Use
User-friendly design



Data Logger
Storage of measurements



High Precision
Accurate measurements



Permanent Monitoring
24/7 quality measurements



Robust Cabinet
For rough industrial applications

Portable Breathing Air Analyzer

S605

6 in 1 Plug & Play



Installation

Easy-to-carry case with easy process connection via 6 mm quick connect

Signal Outputs

- Modbus/RTU (RS485)
- Modbus/TCP (Ethernet)
- USB
- 4G/LTE Modem (optional)

Inlet Pressure

3 ... 15 barg, External pressure reducer allow up to 350 bar process pressure

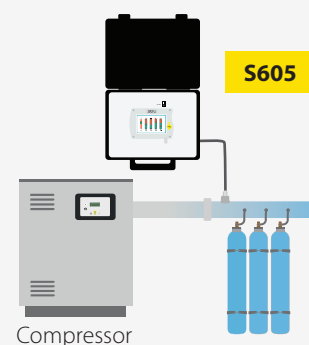
Measured Gases

Breathing air gases

Application

- Regular checks of breathing air systems in various sectors as fire fighting, diving, spray painting, chemical industry, offshore and high tech applications.
- Meeting requirements of international standards such as EN 12021 or CFR 1910.134(d).

Point-of-use



All in One
O₂, CO₂, CO, H₂O, Oil, Pressure



Plug & Play
Simple and fast connection



Ultra Portable
With one hand



High Precision
Accurate measurements



Compact Design
Simple and efficient



PDF Generator
Powerful PDF Reporting

Stationary Breathing Air Monitor

S606

5 in 1 Plug & Play



Installation

Wall mountable cabinet with 6 mm hose connection

Signal Outputs

- Modbus/RTU (RS485)
- Modbus/TCP (Ethernet)
- USB

Inlet Pressure

3 ... 15 barg, External pressure reducer allow up to 350 bar process pressure

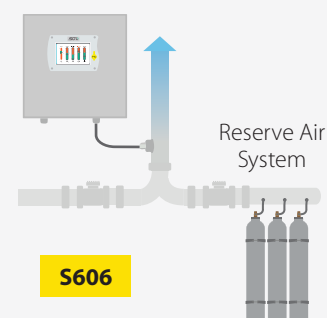
Measured Gases

Breathing air gases

Application

- Permanent monitoring of breathing air systems and filling stations for crucial industries and sectors like fire fighting, diving, spray painting, chemical industry, offshore and high tech applications.
- Meeting requirements of international standards such as EN 12021 or CFR 1910.134(d).

Generation



All in One
O₂, CO₂, CO, H₂O, Oil, Pressure



Permanent Monitoring
24/7 monitoring



Data Logger
Storage of measurements



Alarm Function
Accurate measurements



Easy to Use
Simple and fast connection



Leak Detection for Compressed Air and Gases



Ultrasonic Leak Detector

(for Compressed Air, Gas and Pneumatic Systems)

S530

Portable



Application

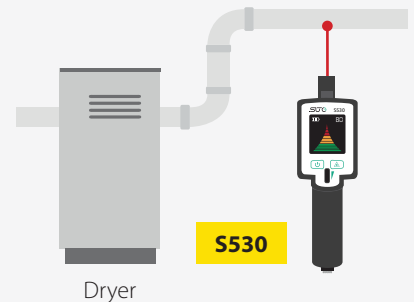
Leak detection in compressed air or gas systems such as refrigerators

- Ultrasonic
- With focus tube and focus tip
- Integrated laser pointer

Benefits

- Easy to use handheld device for simple leak surveys.
- Identifies leaks in compressed air systems which helps to save energy and reduce compressed air costs

Mobile Measurements



Easy To use
Find leaks in minutes



Laser Pointer
Quick spot the leak



Compact Design
Can be used anywhere



Noise Isolated Headset
Inaudible signals easily to be heard



Long Battery Life
For long working hours

Smart Ultrasonic Leak Detector

(for Compressed Air, Gas and Pneumatic Systems)

S531

Portable



Application

The S531 helps users quickly find and record leakages in their compressed air, gas and pneumatic system.

- Ultrasonic
- With focus tube and focus tip
- Integrated laser pointer
- Trumpet, to focus the sound waves

LMS

Free LMS License

When purchasing a S531 ultrasonic leak detector set, one free LMS license is included.

Mobile Measurements



Wireless Connection
Wireless connection to headset



Mass Storage
Big memory for leak records, photos and voice recording



Leak Parts Photo
Camera to take photo of leak locations



Data Analysis
Export data to LMS for statistics and repair

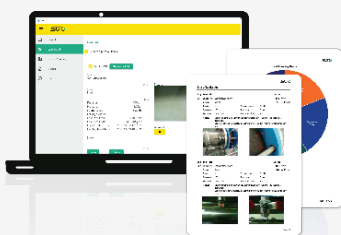


Loss Calculation
Air loss calculation in m³/h or in local currency

Leak Management Software

LMS

Local Installation



Installation

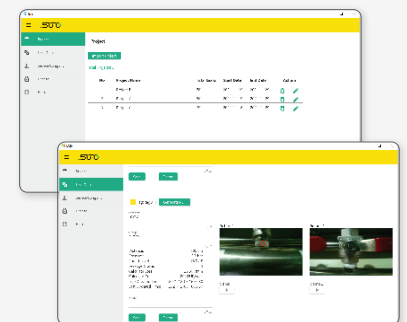
Local installation for easy setup and local data storage

Application

The Leak Management Software (LMS) enables companies to properly manage their leakage detection and repair activities. The software comes as a local installation on a PC.

LMS + S531

The LMS works seamlessly with the S531 Ultrasonic Leak Detector. Recording leaks in the field using the S531 and later importing them to LMS software enables users to gather quantitative leak loss data and easily create powerful reports.



Simple Interaction Design
Quick and intuitive operation steps



Local Installation
Easy installation and local data storage



Personalized Configuration
Company logo, contact person etc.



Extensive Analysis Report
Leak report with all relevant data



One-Click Import and Update
Import and update new leak data



Flow and Consumption Meters for Liquids and Steam



Ultrasonic Flow Meter for Liquids

S461

Clamp-On



Installation

Clamp-On Installation for pipe sizes of DN40 ... DN1200, Versatile installation options for the display unit

Signal Outputs

- Isolated 4 ... 20 mA (Analog option)
- Switch output, normally open, max. 40 VDC, 0,5 A (Pulse option)
- Modbus/RTU(Standard)
- Modbus/TCP and PoE (Option)

Application

Actual flow and total consumption monitoring in:

- Cooling / Heating / Process Water
- Purified Water Measurement
- Fuel, Oils, Petroleum Products
- Water Treatment
- Food / Beverage
- Sanitary
- Hydraulic System Test
- Pharmaceutical Industry

Multiple Locations



Non-Invasive
Through clamp-on sensors



Smartphone App
Easy configuration



Energy Meter
Monitors heat exchangers



Easy installation
Various installation options



Data Logger
8 million samples



Compact Design
Can be installed anywhere

Compact Ultrasonic Flow Meter for Liquids

S462

Clamp-On



Installation

- Clamp-On for pipe sizes of DN20 ... DN40
- Can be installed on stainless steel pipe, carbon steel pipe, copper pipe or plastic pipe.

Signal Outputs

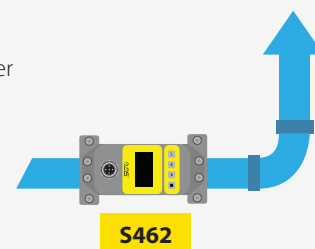
- Isolated 4 ... 20 mA (Analog)
- Modbus/RTU

Application

Clean fluid measurements in:

- Cooling / Heating / Process Water
- Purified Water Measurement
- Fuel, Oils, Petroleum Products
- Water Treatment
- Food / Beverage
- Sanitary
- Hydraulic System Test
- Pharmaceutical Industry

Multiple Locations



Clamp On
No contact to medium



Advanced TTC
Transit Time Correlation Technology



Compact Design
Can be installed anywhere



Cost-efficient
Affordable sensor solution

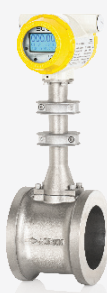


Stationary
Connectable to S330/S331

Vortex Flow Meter for Steam

S435

In-Line



Installation

Intermediate flange installation for pipe sizes from DN40...DN300

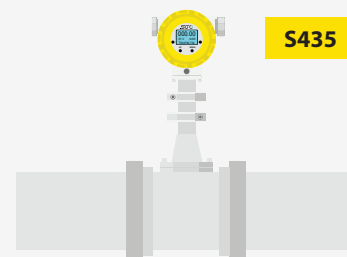
Signal Outputs

- 4 ... 20 mA
- Pulse
- Modbus/RTU

Application

Measures the saturated steam flow and consumption to ensure the process quality. The integrated consumption counter allows to calculate steam usage for each consumer in the system.

Steam Pipes



Easy Monitoring
Effective and inexpensive measurements



Local Display
For easy configuration and live values



Accurate Results
Vortex flow measurement



Total Flow
High accuracy and reliable measurements



Temperature Sensor
Automatic density adjustment



Displays / Datalogger and IIoT for Data Logging and Visualization



Display for Sensors

S320

Local installation



Installation

- Panel mounting (standard)
- Wall mounting
- Hat rail holder (only in connection with wall mounting casing)

Sensor Inputs

- 1 input for SUTO flow/dew point sensor
- 1 input for analog sensor 0 ... 20 mA, 0 ... 10 V

Application

Convenient data reading from difficult-to-access sensors.

Data Visualization



Easy to Use
User-friendly design



USB Interface
Configuration with S4C software



Alarm
Optional alarm settings



Power Supply
Flexible power supply



Easy installation
Wall or panel mountable



Signal Inputs
Digital and analog input

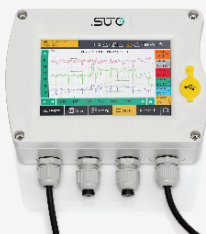
Display and Data Logger

S330

Display

S331

Data Logger



Installation

- Panel mounting (standard)
- Wall mounting

Application

Central unit of a compressed air monitoring system displaying and recording all relevant parameters in a compressed air system (Flow, consumption, dew point, pressure, temperature, power consumption, compressor status etc.).

Inputs

2 digital inputs:

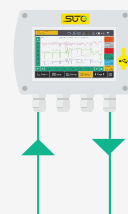
- SDI Sensors (up to 2 SDI sensors)
- Modbus Sensors (up to 16 Modbus sensors)

2 analog inputs (option):

- 0 ... 20 mA, 4 ... 20 mA
- 0 ... 10 V
- Pulse

Data Logging

S331



Outputs

- Modbus/TCP (Ethernet)
- Modbus/RTU (RS 485)
- USB
- 2 Alarm relay outputs



IIoT Support
Connection to S4M software



Versatile Connection
16 sensors inputs



Data Distribution
Via Modbus/RTU & Modbus/TCP



Touch Screen
5" large color LCD



Strong Protection
IP65 Casing



Data Logger
100 million values

Portable Display and Data Logger

S551

Portable



Installation

Portable solution: Carrying case for a flexible and efficient usage at the point-of-use

Sensor Inputs

Up to 20 sensors inputs:

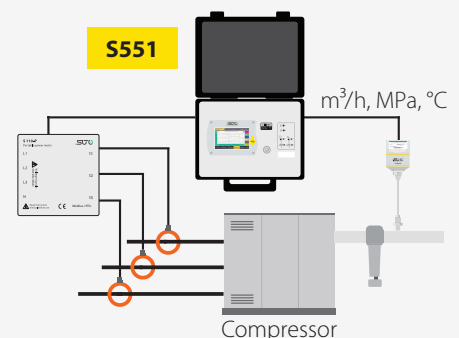
- 2 x SDI
- 2 x analog
- 16 x Modbus

Application

- The ideal data logger for energy analysis (ISO 50001) and air audits (ISO 11011).
- Compressor efficiency testing

Compressor Station

S551



Auto Detect
SDI or Modbus SUTO sensors



Versatile Connection
20 sensors inputs



4G/LTE Modem (optional)
Remote monitoring and logging



Touch Screen
5" large color LCD



Strong Protection
IP65 Casing



Back-Up Power
Battery as back-up power



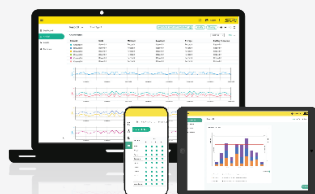
Monitoring and Application Software and Apps



Smart Compressed Air System Monitoring Software

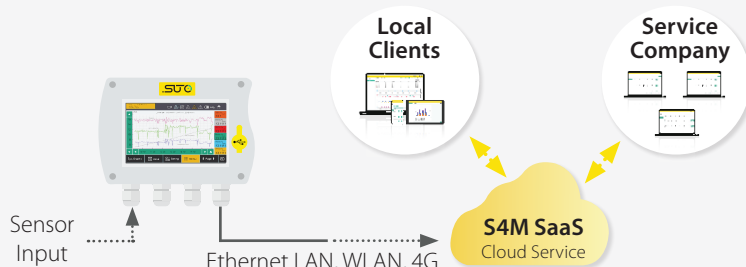
Monitoring, Visualization and Analysis

S4M SaaS Cloud



Benefits

All-in-one monitoring solution for compressed air systems. The powerful software features helps users to get their compressed air system under control



- ✓ Process Value Visualization
- ✓ Extensive Data Analysis
- ✓ Customer Management
- ✓ Alarms & Notifications
- ✓ Monitoring & Optimization
- ✓ Powerful Report Module
- ✓ Personalized Interface
- ✓ Location Management

Data Analysis Software

Data Visualization and Analysis

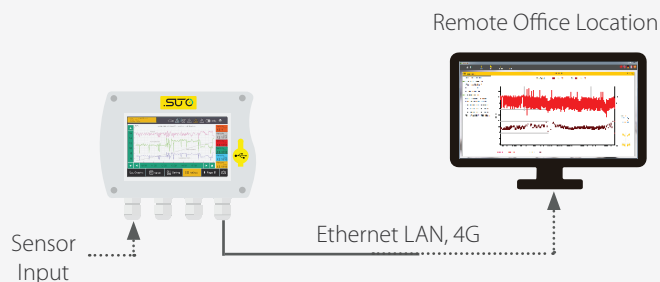
S4A Local



Download

The S4A Software is offered for free and the latest version can be downloaded from the SUTO ITEC homepage, no registration or subscription needed.

www.suto-itec.com

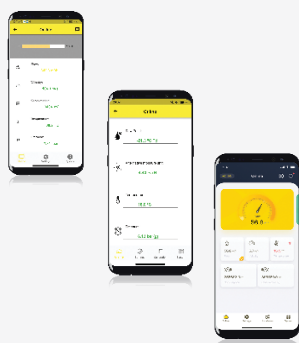


- ✓ Graphic Analysis
Powerful graphic analysis
- ✓ Analysis on Exported Files
Export data to the .XLSX and .CSV file
- ✓ Free to use
No payment or subscription needed
- ✓ Readout of Screenshots
Read screenshots from SUTO S331
- ✓ Online Reading
Via USB, Ethernet or WLAN connection

Free Mobile Apps

Smartphone Applications

S4C-FS Gas Flow
S4C-DP Dew Point
S4C-US Liquid Flow



Applications

- SUTO Smartphone Apps are completely free to use
- Wireless real-time data readings of SUTO Flow Meters with S4C-FS App
- User friendly design with intuitive workflows
- Everything runs from your smartphone
- Online configuration, settings and user calibrations of compatible SUTO devices

Signal Outputs

- Wireless connection from smartphone to SUTO Sensors
- No PC needed

- ✓ Free Smartphone Apps
For remote Configuration
- ✓ Easy to Use
User-friendly design
- ✓ Online Reading
Live measurement data
- ✓ Wireless Connection
Connection to devices in hard-to-reach places



Current Meter, other Sensors and Calibration Service



Power Meter

S110 Stationary

S110-P Portable



Installation

DIN rail installation for power cabinets or portable version with rugged housing

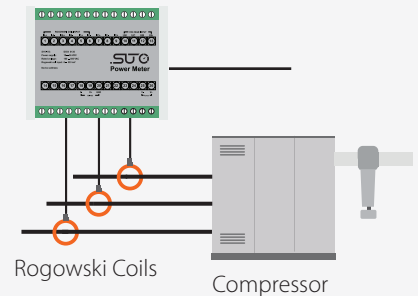
Signal Outputs

- Isolated 4 ... 20 mA (Analog)
- Modbus/RTU

Application

The main application is to measure the power consumption and the accumulated energy consumption of electrical 3-phase consumers, like compressors, driers and oxygen/nitrogen generators.

Generation



✓ **Multi-functional**
3-phase, 1-phase

✓ **Modbus / RTU Interface**
Connects to any Modbus-Master

✓ **Easy Installation**
User-friendly design and setup

✓ **Compressor Performance**
Identifying compressor efficiency

✓ **Rogowski Coils**
Wide range, highly accurate

Other Sensors

S010 Pressure

S020 Temperature

S030 Electrical Current



Installation

Easy installation in compressed air systems (for more information visit www.suto-itec.com)

Signal Outputs

- S010: 4 ... 20 mA
- S011: Modbus/RTU
- S020: 4 ... 20 mA (available in 2 sizes)
- S030: 4 ... 20 mA

Application

Industrial equipment for manifold applications

- Hydraulic and pneumatic systems
- Industrial engines
- HVAC/R equipment
- Spraying systems
- Cooling systems

✓ **Industrial Design**
For various applications

✓ **4 ... 20 mA Output**
Easy connection

✓ **Easy Installation**
User-friendly and compact design

✓ **Cost-efficient**
Affordable sensor solutions

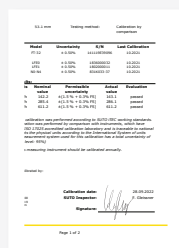
✓ **Strong Protection**
IP65 Casing

Calibration and Certification

Flow Calibration

Dew Point Calibration

Oil Vapor Calibration



SUTO Calibration

- SUTO owns high tech calibration facilities in Germany, Hong Kong SAR and Mainland China
- Flow calibration under pressure and a wide range for highest accuracy
- Real gas calibration system for technical gases
- References and certificates are traceable to national standards

Exchange Calibration Service

The exchange calibration service eliminates down time and enables users to have a seamless record of their measurements.



The user receives in advance a calibrated instrument with calibration certificate and the same instrument settings. The on-site instrument is then switched against the calibrated one and returned to the supplier.

✓ **Flow Calibration**

✓ **Dew Point Calibration**

✓ **Oil Vapor Calibration**

✓ **Particle Calibration**

✓ **Pressure Calibration**

✓ **Temperature Calibration**



www.suto-itec.com



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