

Measurement Technology for Compressed Air, Gases and Liquids



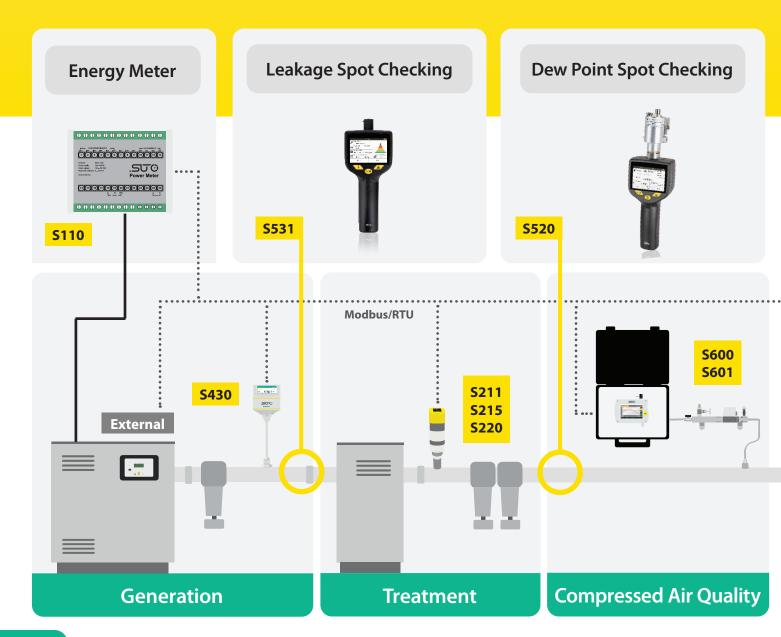
Advanced Measurement Solutions

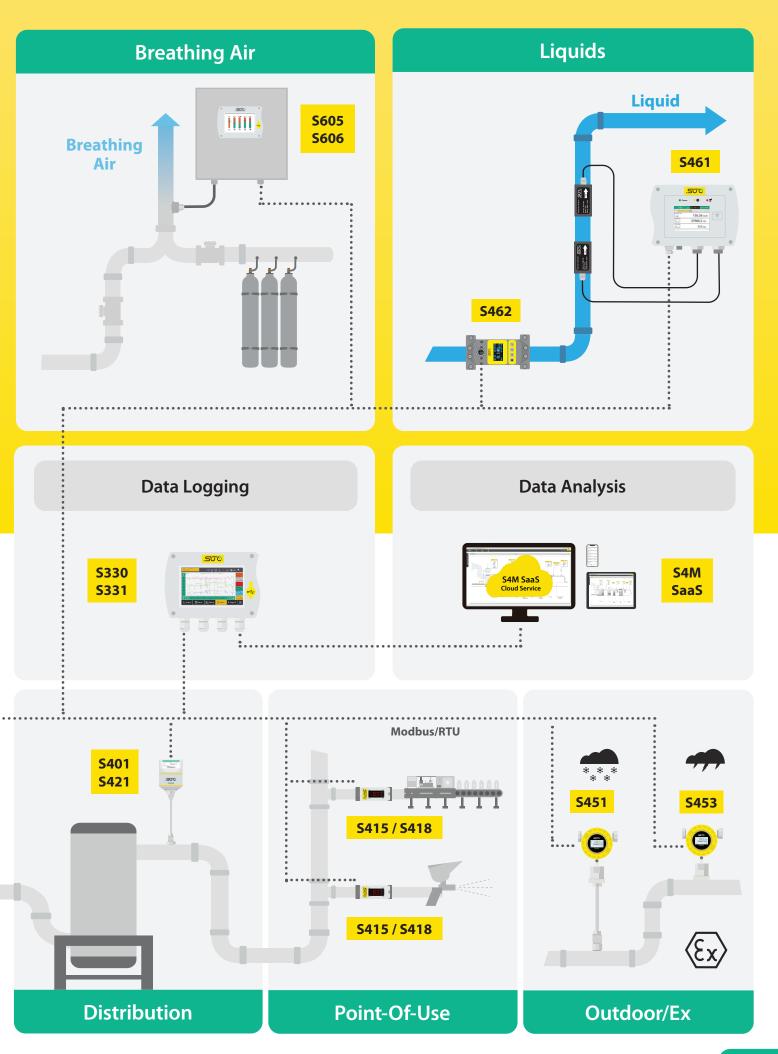
Compressed Air and Gas Monitoring - get your system under control

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
- SO Purity Requirements







.SUO

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

results

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





Wet Air Measurement at the compressor outlet



response time
For accurate



Easy MonitoringEffective
measurements



Mobile AppFor remote configuration



Stable ResultsNo 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





Easy InstallationThrough 1/2" ball valve under pressure



Mobile AppFor remote configuration



Total FlowReliable
measurements



IP65 CasingProvides robust



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





Easy InstallationWith pre-assembled measuring section



Mobile App For remote configuration



Total FlowReliable
measurements



IP65 CasingProvides robust protection



Cost-efficient
Affordable sensor solution





Point-of-Use

for Compressed Air and Gases

Compact Thermal Mass Flow Meter



Economic



Installation

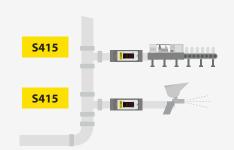
In-line type:_G inner thread connection - DN8, DN15, DN20, DN25 or DN32 (ISO 228-1)

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 Monitoring of compressed air and nitrogen



Cost-efficient

Affordable sensor



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

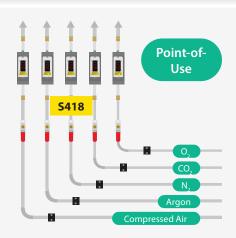
In-line type: G inner thread connection - DN8, DN15, DN20, DN25 or DN32 (ISO 228-1)

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

Monitoring of machines and consumers



Data Logger

Easy recording of measurement data



Total Mass Flow

No bypass meaśurement needed



Compact Design

For easy and flexible installation



Flow Conditioner No straight inlet

required

Compact Thermal Mass Flow Meter



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 Monitoring of vacuum pumps



Vacuum Flow Abs. Pressure



Accurate Results Integrated flow conditioner



Total Mass Flow No bypass meaśurement

needed



Compact Design For easy and flexible installation







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 DesignFor applications
in harsh environments



Easy Cleaning All wetted parts stainless steel



Explosion Proof Use in Ex-area applications



Accurate Results
Very fast response



High StabilityPressure & 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 / allweather flow applications
- Explosive environments
- Cost overview for gas consumption within the distribution network

Outdoor and Ex







Industrial DesignFor applications in harsh environments



Easy Installation

With pre-assembled measuring section



Explosion Proof

Use in Ex-area applications



Accurate Results

Very fast response



High StabilityPressure & 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 CasingProvides robust protection



Cost-efficient Affordable sensor solution



Dew Point Meters

.SUC

for Compressed Air and Gases

Dew Point Sensor



-60 ... +20 °C Td



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

 $Air/CO_2/N_2/O_2/Argon$

Operating pressure

- 0 ... 1.6 MPa
- · Optional 35.0 MPa

Application

Dew point measurements after desiccant dryers





Compact Design Installation anywhere



-60 ... +20 °C Td After desiccant dryers



Pressure Sensor Integrated as



High Precision ± 2 °C Td Accuracy



Long term stable Low Maintenance

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

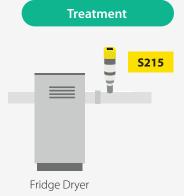
 $Air/CO_2/N_2/O_2/Argon$

Operating pressure

- 0 ... 1.6 MPa
- · Optional 35.0 MPa

Application

Dew point measurements after fridge dryers





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

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

 $Air/CO_2/N_2/O_2/Argon$

Operating pressure

• 0 ... 1.6 MPa

Application

Dew point measurements in high tech requirements and conditions





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

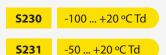


Dew Point Meters

for Compressed Air and Gases



Dew Point Transmitter for Ex Applications





Installation

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

Signal Outputs

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

Measured Gases

 $Air/CO_2/N_2/O_2/Argon$

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





Explosion ProofUse in Ex-area applications



Low Dew Point Measures down



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

 $Air/CO_2/N_2/O_2/Argon$

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





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 IndicationWith 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

 $Air \, / \, CO_2 \, / \, N_2 \, / \, O_2 \, / \, Argon$

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





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

.SUC

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 N_2 , Carbon dioxide CO_2 (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





Accurate Results
Latest PID senor

technology



Compact Design Can be installed anywhere



Easy Installation

Plug and Play



Data Logger Storage of



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

Laser Particle Counter

S130

ECO $(0.3 < d \le 5.0 \mu m)$

S132

PRO $(0.1 < d \le 5.0 \mu m)$



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 participle 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





Particle Measurement According ISO 8573



Pro Version S132 Smallest channel $0.1 < d \le 0.5 \mu m$



Data Logger To save and



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
- LISR
- 4G/LTE Modem (optional)

Pressure Range

0.3 ... 1.5 MPa

Measured Gases

Compressed Air, Nitrogen N_2 , Carbon dioxide CO_2 (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 applications 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 PrecisionAccurate
measurements



Compact Design Makes it unique



4G/LTE OptionFor data
transfer





Air Quality Instruments

.SUO

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)

Data

USB

Pressure Range

0.3 ... 1.5 MPa

Measured Gases

 $Air/CO_2/N_2/O_2/Argon$

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 Userfriendly design



Logger Storage of measurements



High PrecisionAccurate
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

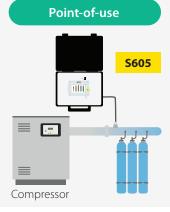
3 ... 15 barg, External pressure reducer allow up to 350 bar process pressure

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).





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



Plug & Play Simple and fast connection



Ultra Portable With one hand



High PrecisionAccurate
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 LoggerStorage of measurements



Alarm Function
Accurate
measurements



Easy to Use Simple and fast connection



Leak Detection

for Compressed Air and Gases



Mobile Measurements

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





Easy To use Find leaks in minutes



Laser PointerQuick spot the



Compact Design Can be used anywhere



Noise Isolated Headset Inaudible signals easily to be heard



Long Battery LifeFor 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 DesignQuick 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



for Liquids and Steam

Ultrasonic Flow Meter for Liquids



Clamp-On



Installation

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

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 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



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



12/16



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

S331



Signal InputsDigital 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

Outputs

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



IloT 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



Compressor Station

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

S551 m³/h, MPa, °C Compressor



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 ProtectionIP65 Casing



Back-Up PowerBattery as back-up power



Monitoring and Application Software and Apps



Smart Compressed Air System Monitoring Software



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

Monitoring, Visualization and Analysis



- **Process Value Visualization**
- **Extensive Data Analysis**
- **②**
- **Customer Management**



Alarms & Notifications



Monitoring & Optimization



Powerful Report Module



Personalized Interface



Location Management

Data Analysis Software



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



Smartphone Applications

Online Reading Via USB, Ethernet or WLAN connection

Free Mobile Apps

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 AppsFor remote Configuration



Easy to Use User-friendly design



Online ReadingLive measurement data



Wireless ConnectionConnection to devices in hard-to-reach places



Current Meter, other Sensors and Calibration Service



Power Meter

S110

Stationary

S110-P

Portable



Installation

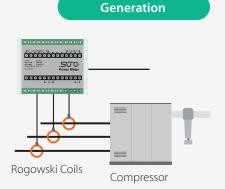
DIN rail installation for power cabinets or portable version with rugged housing

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.





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

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

Application

Industrial equipment for manifold applications

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



Industrial DesignFor 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





Talk to an Expert

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