

PORTABLE DATA LOGGER S551



AUTO DETECT

SDI or Modbus-based SUTO sensors



The ideal data logger for energy analysis (ISO 50001) and air audits (ISO 11011)



Integrated web server for remote monitoring

S551 FEATURES



**AUTO
DETECT**
SDI or Modbus-based
SUTO sensors



**TOUCH
SCREEN**
5" large color LCD



**VERSATILE
CONNECTION**
Up to 24 sensors
inputs



**TIGHT
PROTECTION**
IP65



**WEB
SERVER**
Access from world
wide



**BACK-UP
POWER**
Battery as
back-up power

Easy to use

- Just connect the sensor and start the recording, no configuration and programming required
- Easy operation through color-touch display
- Integrated web server for remote monitoring

Flexible

- Connectable sensors for all required measurement tasks (air flow, air consumption, power consumption, pressure, temperature and many more)
- Up to 24 inputs through extension boxes and Modbus
- Third party sensors can be easily connected

Efficient

- S551 logs data on site
- Data is analyzed in the office
- Cost effective solution
- Full software package includes:
 - S4A for data export and simple analysis (free of charge)
 - CAA for compressed air analysis and audits (included with S551)
 - S4M for data acquisition and analysis in real time (optional)

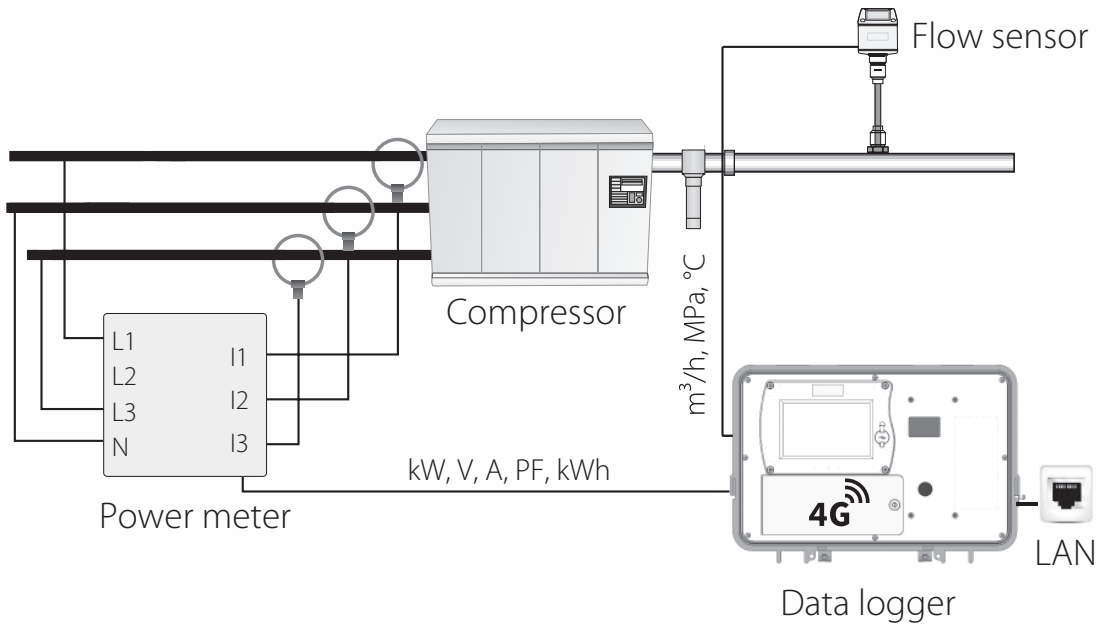
Safe

- Power glitches and cuts won't affect performance: battery backup power



S551 APPLICATION

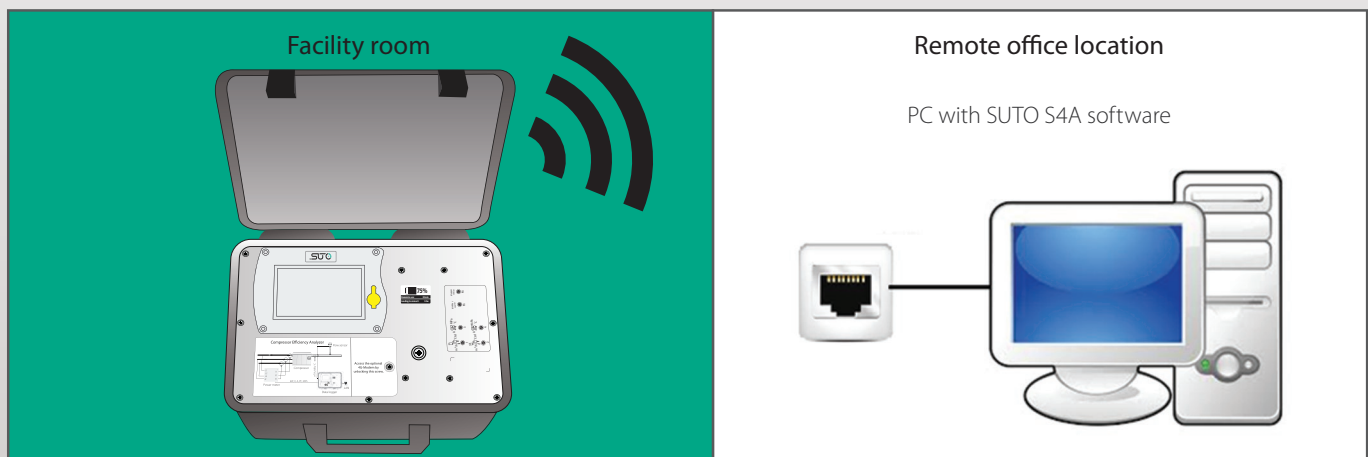
Measurement setup for data logging on the supply side



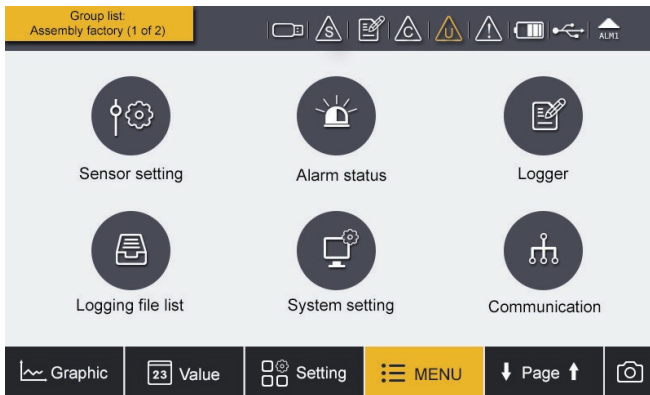
S551 CONNECTIONS

			<p>Portable Modbus splitter box</p>
<p>Ethernet port</p>	<p>Sensor connection through 5 poles locking connectors and mains connector</p>		<p>Battery gauge indicating remaining battery power and life time</p>

The S551 is capable of sending measurement data and status information to a remote server through the internet. This allows users to monitor the system remotely. The illustration below shows the principle setup.

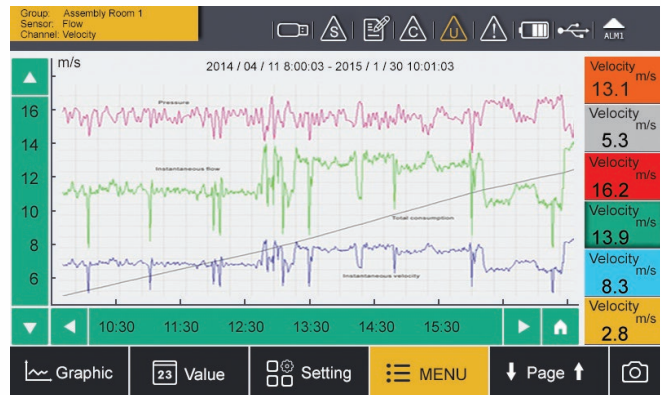


S551 TOUCH SCREEN OPERATION



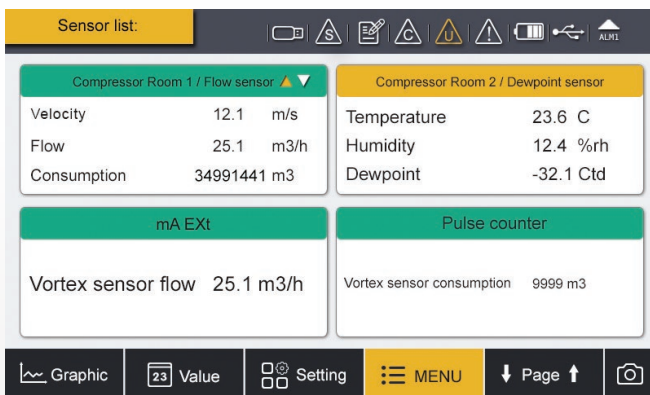
The S551 comes with a high resolution 5" colour touch screen interface making the operation as simple as possible.

SUTO intelligent sensors are detected automatically on power-up. With a few settings the data logger is ready for operations with virtually unlimited memory size.



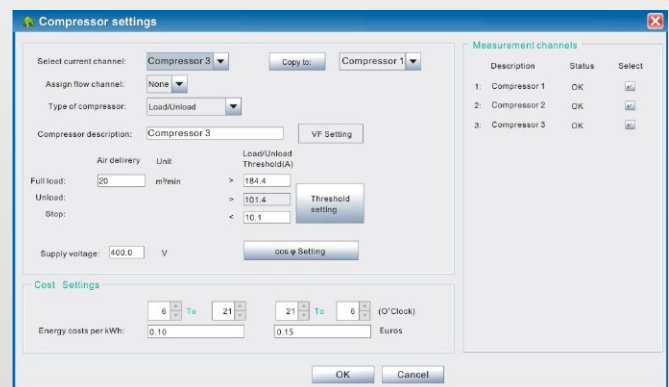
Select which channels you want to view or analyze and the built in graphic analyzer will help you identify problems immediately.

For detailed analysis we recommend using SUTO software S4A, CAA or S4M.



Up to 4 sensors can be viewed on one page and through page scrolling further sensors can be displayed.

S551 DATA ANALYSIS WITH THE COMPRESSED AIR ANALYZER









Through SUTO software S4A recordings are downloaded to the PC via USB or Ethernet port. The basic analysis can be done in S4A.

For more sophisticated compressor analysis the SUTO CAA software offers many advanced features such as: performance statistics of compressors (efficiency, air delivery, load/unload cycles), leakage analysis, report generation and more. Comparisons with base line measurements from last year or last month help to identify system changes.

S551 ORDERING

Please use the following table to assist in placing your order with our sales staff.

	Data logger	
	P560 5100	S551-P4, portable data recorder, 4 digital input channels, power cord, USB cable, S4A software, CAA software
	P560 5101	S551-P6, portable data recorder, 4 digital input channels and 2 analog, power cord, USB cable, S4A software, CAA software
	A1670	4G wireless modem for S551/S600, including antenna and S4A software
	Flow sensors	
	S601 0401	S401, 300 mm Shaft, insertion type flow sensor, Max measuring range, DN15 ... DN300, Modbus/RTU, including 5 m cable with connector to S551
	S601 0430	S430, 220 mm Shaft, insertion type Pitot tube flow sensor for wet air, DN15 ... DN250, Modbus/RTU, including 5 m cable with connector to S551
	Dew point sensor	
	S601 0215	S215 dew point sensor, -20 ... +50 °C Td, measuring chamber, 5 m cable with connector
	S601 0212	S212 dew point sensor, -50 ... +20 °C Td, measuring chamber, 5 m cable with connector
	S601 0220	S220 dew point sensor, -100 ... 0 °C Td, measuring chamber, 5 m cable with connector
	Pressure sensors	
	S694 1886	Pressure sensor, 0 ... 1.6 MPa(g), 4 ... 20 mA including a 5 m cable with connector to S551 (works only on S551-P6)
	S694 0356	Pressure sensor, 0 ... 4.0 MPa(g), 4 ... 20 mA including a 5 m cable with connector to S551 (works only on S551-P6)
	S694 1887	Pressure sensor, 0 ... 1.6 MPa(g), Modbus/RTU including a 5 m cable with connector to S551 (works on S551-P4 & P6)
	S694 1888	Pressure sensor, 0 ... 4.0 MPa(g), Modbus/RTU including a 5 m cable with connector to S551 (works on S551-P4 & P6)
	Amp sensor	
	S554 0156	SUTO current sensor, 1000A, 100 mm diameter, including connector to S551
	S554 0157	SUTO current sensor, 3000A, 150 mm diameter, including connector to S551
	Temperature sensor	
	S693 0005	Temperature transmitter, -50 ... +200 °C, 4 ... 20 mA loop powered, 6 x 150 mm sensor tube, 5 m cable with connector
	A554 6003	Compression fitting, 6 mm, G 1/2" thread, 0.6 MPa
	A554 6004	Compression fitting, 6 mm, G 1/2" thread, 1.6 MPa
	Power meter (for 3 phase and single phase measurement)	
	P554 0134	Portable power meter S110-P, Modbus/RTU, including 4 test leads, 4 test clips, 5 m cable with connector to S551
	S554 0160	SUTO current sensor for S110-P, 1000 A, 100 mm diameter, 1.8 m cable, connector to S110-P
	S554 0161	SUTO current sensor for S110-P, 3000 A, 150 mm diameter, 1.8 m cable, connector to S110-P
	S554 0162	SUTO current sensor for S110-P, 100 A, 160 mm diameter, 1.8 m cable, connector to S110-P





Note: For 3 phases power supply 3 Rogowski coils are needed.

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Visit our website or e-mail us:
www.suto-itec.com
sales@suto-itec.com

Liquid flow meter (clamp on ultra sound)	
	P554 0070 Ultrasonic controller for liquid flow sensor, connectable to S551, including 5 m connection cable to S551 and to the sensors
	S694 4603 Ultra sound sensor pair, DN32 ... DN100, socket terminals
	S694 4604 Ultra sound sensor pair, DN100 ... DN700, socket terminals
	S694 4605 Ultra sound sensor pair, DN300 ... DN6000, socket terminals
Other sensors / extensions	
	P554 0080 8 channel analog input extension, connectable to S551, including 5 m cable with connector
	A554 3314 Portable Modbus splitter box, with M12 connector
Accessories	
	A553 0103 Extension cable, 5 m, male-female connectors
	A553 0110 Open wires cable, 5 m cable with connector
	A553 0111 Sensor cable, M12, 5 m with connector to S551
	A554 0035 Transport case S551 for sensors and cables, L560 x W450 x H160 mm (internal compartment can be arranged according to your individual sensor requirements)
	A554 0036 Transport case, customized for 1 x S110-P, 3 Rogowski coils, 4 x test leads, 4 x test clips, 1 x S430

* Please contact us for further accessories and details.