COMPRESSED AIR TECHNOLOGY

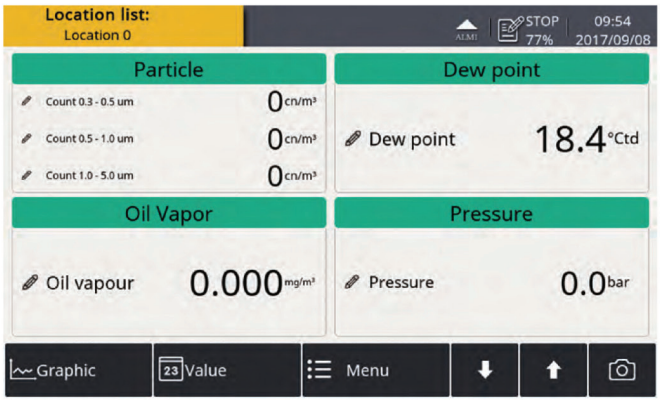
S 601 COMPRESSED AIR PURITY ANALYZER

Features / Benefits

- Particle concentration measurement
  - Channel sizes: 0.3 ... 0.5, 0.5 ... 1.0, 1.0 ... 5.0 µm (A)
    0.1 ... 0.5, 0.5 ... 1.0, 1.0 ... 5.0 µm (B)
  - Laser particle counting technology
  - Counting efficiency: 50% for smallest size
    95% for all other sizes
- Oil vapor measurement
  - Latest PID sensor technology
  - Range from 0.003 ... 10.000 mg/m3
  - High precision: 5%
- Dew point measurement
  - Dual sensor technology (Polymer and QCM)
  - Wide measuring range of -100° ... +20°C
  - High precision of ±2°C
- Pressure measurement
  - Measuring range 0.3 ... 1.5 MPa
  - Accuracy of 1% FS
- Compressed air connection through 6 mm quick connect
- Ethernet (Modbus TCP), RS-485 (Modbus RTU) and USB interface
- Low purge air loss
- 100 ... 240 VAC power supply
- 5" color touchscreen with data logger

Product contamination can ruin a business and harm its customers. The typical approach of spot checks and random testing of compressed air systems does not allow businesses to quickly react to contamination events, nor does it provide continual assurance that contamination levels are being kept under control. In the ever quickening change of production, real time monitoring is crucial to protect your products integrity. The SUTO S 601 Compressed Air Purity Analyzer, measures and monitors contaminants in real time, giving businesses security that its products and customers are protected.

The SUTO S 601 Compressed Air Purity Analyzer brings together state of the art technology in one easy to use package, allowing businesses to continuously monitor compliance to ISO 8573. The S 601 monitors particle, dew point and oil vapor contamination across the full spectrum of ISO 8573 requirements including Class 0. Real time information can be retrieved from the S 601 by SCADA systems via MODBUS outputs. The integrated color touch screen display allows users to view all information locally. The data logging function ensures records are kept intact. Alarm points can be set to trigger in the event that contaminants hit your selected limits. An optional external light or siren can be fitted to the alarm.

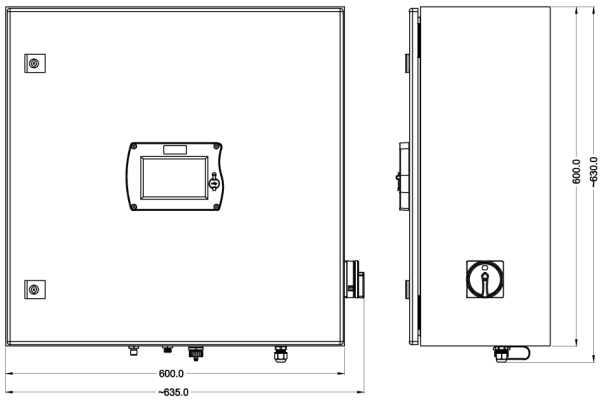


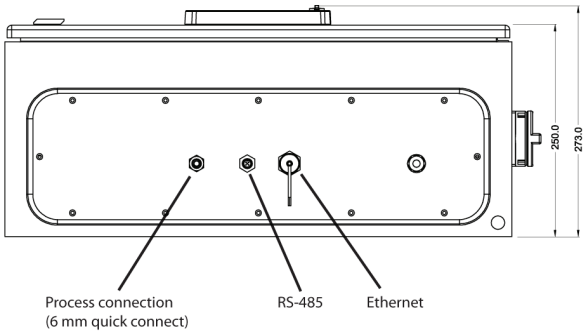
All important measurement values on screen

S 601 COMPRESSED AIR PURITY ANALYZER

Technical data		
Pressure range	0.3 ... 1.5 MPa	
Power supply	100 ... 240 VAC / 50 VA	
Accuracy	Dew point:	±2°C
	Oil vapor:	5 % o. RDG±0.003 mg/m³
	Particle:	50 % for smallest size
		95 % for all other sizes
	Pressure: .	1 % F.S
Measured gas	Air, N_2 (other gases on request)	
Medium humidity	< 40% relative humidity	
Ambient conditions	0° ... 50°C	
Transport Temp.	-10° ... +70°C	
Data logger	100 million samples 1 sec ... 1h sampling rate	
Output signal	- Ethernet (Modbus TCP) - RS-485 (Modbus RTU) - USB	
Casing	Sheet steel, powder-coated on the outside Stainless steel on request	
Classification	IP54	
Electrical connection	1 x M12, 5 pole (RS-485) 1 x RJ45 (Ethernet) 1 x mains cable with plug	
Process connection	6 mm quick connect	
Approvals	CE, RoHS	

Dimensions





S 601 order table

Order No.	Particle	Oil	Description
D500 0601			Base unit with dew point sensor, data logger with graphic display, metal cabinet, 100 ... 240 VAC power supply, 0 ... 1.5 MPa pressure.
A1260	A		Integrated Particle counter, 0.3, 0.5, 1.0, 5.0 µm, 0.1 cfm (2.83 l/min)
A1261	B		Integrated Particle counter, 0.1, 0.5, 1.0, 5.0 µm, 0.1 cfm (28.3 l/min)
A1267		A	Integrated oil vapor sensor unit, 0.003 ... 10.000 mg/m3
A554 0602			Purity test kit consisting of zero filters for oil vapor, particles and a desiccant cartridge for low dew point creation.