



## QUALITY AND PURITY MEASUREMENT FOR COMPRESSED AIR AND GASES

Measuring air quality.



1300 663 113

[admin@catair.com.au](mailto:admin@catair.com.au)

[catair.com.au](http://catair.com.au)

Quality measurements in industrial applications is one of the key factors to ensure your process quality. Knowing the process parameters helps you to optimize the efficiency. Furthermore it ensures your product quality.



## QUALITY MEASUREMENT for any application

SUTO instruments for measuring the compressed air quality are reliable and long term stable solutions to ensure your process quality. Malfunctioning filter system cause huge damages to production processes and finished products. To prevent such damages, monitoring of the quality parameters is essential.

**SUTO** offers the right measurement solution which fits your needs.

### SELECTION TABLE

| Measurement task   | Sensor Model       |                           |
|--|--------------------|---------------------------|
|  | Portable Solution  | Stationary                |
| Particle concentration   | <b>S130 / S132</b> | <b>S130 / S132</b>        |
| Dew point / humidity   | <b>S505</b>        | <b>S220 / S212 / S215</b> |
| Oil vapor concentration  | <b>S120</b>        | <b>S120</b>               |
| All-in-one<br>(Particle concentration, Dew point /<br>humidity, Oil vapor concentration) | <b>S600</b>        | <b>S601</b>               |

PRODUCT QUALITY

24/7 QUALITY  
MONITORING

ALARMS WHEN LIMITS  
ARE EXCEEDED

CONTINUOUS DATA  
LOGGING

PROCESS PURITY



## S120

RESIDUAL OIL VAPOR SENSOR  
FOR COMPRESSED AIR

### Features

- Measures oil vapor contents in compressed air
- Can be used for permanent or in portable applications
- Measures down to 0.003 mg/m<sup>3</sup> (Resolution 0.001 mg/m<sup>3</sup>)
- Easy connection through sampling hose and quick-connector
- Output signals: 4 ... 20 mA, RS-485, Modbus/RTU, Relay switch (NO)
- PID sensor for highest accuracy
- Service and alarm indication through LED, optional display with data logger

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S120



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S130  
S131



## S130 / S132

LASER PARTICLE COUNTER  
FOR COMPRESSED AIR AND AMBIENT AIR

### Features

- Easy connection to compressed air through 6 mm quick-connector
- Can be used as portable as well as stationary instrument
- Particle sizes from 0.1 ... 5.0 µm (depending on model)
- Optional display with integrated datalogger
- Measures according to ISO 8537-4
- Output signals: RS-485, Modbus/RTU, SDI (SUTO internal signal), Relay Switch (NO)
- Connectable to SUTO displays and dataloggers as well as third parties displays and control units



## S220 / S212 / S215 / S505

DEW POINT SENSORS FOR  
COMPRESSED AIR AND GASES

### Features

- Different models for different ranges from -100 to +50°C Td
- IP65 casing provides robust protection in rough industrial environment
- Fast response time ensures safe and reliable indication whenever dew points are out of valid ranges
- Can be installed directly into dryers through G 1/2" thread
- High accuracy of ± 2°C dew point
- S505: Portable solution with data logger

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S220  
S212  
S215  
S505





## S600

### PORTABLE COMPRESSED AIR PURITY ANALYZER

#### Features

- 4-in-1 measuring device
- High resolution 5" colour touch screen interface
- Software-guided measurements
- Particle concentration measurements according to ISO 8537 standards
- Dew point measurement with multiple sensor technology
- Oil vapor measurements with high precision

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S600



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S601



## S601

### STATIONARY COMPRESSED AIR PURITY ANALYZER

#### Features

- Compressed air analyzer for 24/7 monitoring
- User friendly 6 mm quick-connector
- 5-in-1 measurement device
- Dew point measurement with unique dual sensor system
- Oil vapor measured on highest precision
- Pressure and temperature measurement



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