

S215 DEW POINT SENSOR (-20°C... +50°C)



Dew point sensor ideal for refrigerant dryers. Loop powered 4 ... 20 mA output.

The SUTO dew point sensor S 215 provides reliable and long term stable dew point monitoring in industrial applications. With this model dew point measurement in refrigerant dryers becomes affordable and can replace traditional temperature measurement which often couldn't tell the real dew point.

S 215 outputs the measurement value through the loop powered 4 -20 mA signal.

Features

- Affordable dew point sensor for mid range applications such as refrigerant dryer monitoring
- Long term stability
- 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 ½" thread
- High accuracy of ±2°C dew point

Technical data S 215

| | | |
|--------------------------------|---|-----------------|
| Measuring range | Dew point | -20°C ... +50°C |
| | Temperature | -30°C ... +70°C |
| Dew point sensor | Polymer | |
| Temperature sensor | NTC | |
| Pressure sensor | N/A | |
| Accuracy | Dew point | ±2°C |
| | Temperature | 0.3°C |
| Operating Pressure | -0.1 ... 5.0 MPa | |
| Operating Temperature (Medium) | -30°C ... +70°C | |
| Measured gases (Medium) | Non-corrosive gases | |
| Response Time t90 (@ 4 l/min) | -20°C -> +20°C: | 20 sec |
| | +10°C -> -20°C: | 60 sec |
| Ambient Temperature | -20°C ... +50°C | |
| Ambient Humidity | 0 ... 100 %rH | |
| Supply Voltage | 12 ... 30 VDC | |
| Current consumption | 20 mA @ 24 VDC | |
| Output signals | 4 ... 20 mA 2-Wire | |
| Electrical connection | M12, 5 pole | |
| Process connection | G 1/2" thread (ISO 228/1) Stainless steel 1.4301 (SUS 304) | |
| Casing material | Zinc alloy | |
| Classification | IP65 | |
| EMC | IEC 61326-1 | |
| Approval | - | |
| Sensor protection | Sinter filter | |
| Transport Temperature | -30°C ... +70°C | |
| Storage Temperature | -20°C ... +50°C | |

| Order no. | Description |
|-----------|---|
| S699 0415 | S 215, dew point sensor including M12 connector (straight type), -20°C ... +50°C, G ½" thread |
| A699 4003 | High pressure option 35 MPa (350 bar) |