.SUTO

S 201 DEW POINT SENSOR WITH DISPLAY AND ALARM (-60°… +20°C)

The SUTO dew point sensor S 201 provides reliable and long term stable dew point monitoring in industrial applications. The newly developed sensor features improved signal and stability in demanding industrial applications.

The measured dew point is output via a 4-20 mA signal output. The integrated display shows online measurement values and alarm status. One alarm can be programmed which will activate a relay.

S 201 features a complete dew point meter with sensor, display, keyboard and alarm.

Sensor parameters such as analogue output scaling, alarm values, units, etc, can be easily changed by using SUTO service kit. This kit is used to connect the sensor to a PC for configuration changes.

Features

- Dew point sensor for low dew point applications down to -60°C
- Long term stability
- Graphic display
- Relay output
- 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

Alarm adjustment at dew point sensor

Technical data S 200/201		
Measuring range	Dew point	-60° ... +20°C
	Temperature	-30° ... +70°C
Dew point sensor	Polymer	
Temperature sensor	Pt100	
Pressure sensor	N/A	
Accuracy	Dew point ±2°C	
	Temperature 0.3°C	
Operating Pressure	-0.1 ... 5.0 MPa	
Operating Temperature (Medium)	-30° ... +70°C	
Measured gases (Medium)	Non-corrosive gases	
Response Time t90 (@ 4 l/min)	-60°C -> -20°C: 20 sec	
	0°C -> -60°C: 180 sec	
Ambient Temperature	-20° ... +50°C	
Ambient Humidity	0 ... 90 %rH	
Supply Voltage	12 ... 30 VDC	
Current consumption	80 mA @ 24 VDC	
Output signals	4 ... 20 mA 3-Wire	
	Alarm Relay (NO 32 VDC / 500 mA)	
Electrical connection	2 x M12, 5 pole	
Process connection	G 1/2" thread (ISO 228/1)	
	Stainless steal 1.4301 (SUS 304)	
Casing material	PC + ABS	
Classification	IP65	
EMC	IEC 61326-1	
Approval	-	
Sensor protection	Sinter filter	
Transport Temperature	-30° ... +70°C	
Storage Temperature	-20° ... +50°C	
Weight	226 g	

Order no.	Description
S699 0406	S 201, dew point sensor including 2 x M12 connectors (straight type) -60° ... +20°C, G ½" thread
A699 4003	High pressure option 35 MPa (350 bar)