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

CS-iTEC

S 201 (-60 °C … +20 °C)

The CS-iTEC 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 CS-iTEC service kit. This kit is used to connect the sensor to a PC for configuration changes.

Alarm adjustment at dew point sensor

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
- Very 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 201

Measuring range	
Dew point	-60 °C … +20 °C
Relative humidity	0 … 99.9 %
Temperature	-30 °C … +70 °C
Accuracy	± 2 °C dew point @ -50 °C
Pressure range	-0.1 … 5.0 MPa
Power supply	12 … 30 VDC / 100 mA
Ambient conditions	-20 °C … +50 °C
Response time t90	0 °C … -40 °C : 2 minutes -40 °C … 0 °C: 20 sec
Output signal	4 … 20 mA, 3-wire
Relay	NO, 32 VDC, 500 mA
Connection	2 x M12, 5 pole
Casing	PC + ABS
Classification	IP65
Process connection	G 1/2" thread (ISO 228/1) UNF 5/8" thread (on request)

Order no.	Description
0699 0406	S 201, dew point sensor including 2 x M12 connectors (straight type) -60 °C … +20 °C, G ½" thread
0699 4003	High pressure option 35 MPa (350 bar)