

# S 215 DEW POINT SENSOR (-20 °C ... +50 °C)



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

The CS-iTEC 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 1/2" thread
- High accuracy of 1 ... 2 °C dew point

## Technical data S 215

Measuring range	
Dew point	-20 °C ... +50 °C
Relative humidity	0 ... 99.9%
Temperature	-30 °C ... +70 °C
Power supply	10 ... 30 VDC
Response time t90	0 °C ... -20 °C: 30 sec -20 °C ... 0 °C: 10 sec
Accuracy	1 ... 2 °C dew point
Pressure range	-0.1 ... 5.0 MPa
Ambient conditions	-20 °C ... +50 °C
Output signal	4 ... 20 mA, 2-wire
Connection	M12, 5 pole
Casing	Process connection: stainless steel 1.4301(SUS 304) Casing: zinc alloy
Classification	IP 65
Process connection	G 1/2" thread (ISO 228/1) UNF 5/8" thread (on request)

Order no.	Description
S699 0415	S 215, dew point sensor including M12 connector (straight type), -20 °C ... +50 °C, G 1/2" thread
A699 4003	High pressure option 35 MPa (350 bar)