

FA 410 dew point sensor (-80 ~ +20 °C_{td})



FA 410
Dew point sensor
ideal for desiccant
dryer monitoring.

The CS dew point transmitter **FA 410** 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. It makes it an ideal choice for dew point measurements in desiccant dryers.

Drifts caused by temperature changes, dust and aging are eliminated by the electronics providing reliable measurements. Recalibration interval thus could be increased to 2 years.

The measured dew point is output via a 4-20 mA signal output. The compact size of the sensors make them an ideal choice for installations in tight environments. Sensor parameters such as analogue output scaling, alarm values, units etc, can be easily changed by using CS service kit. This kit is used to connect the sensor to a PC for configuration changes.

Order no.	Description
0699 0410	FA 410, dew point transmitter including M12 connector (straight type) -80 ~ +20 °C, G 1/2" thread
0553 0104	Connection cable 5m, 5 pole
0553 0105	Connection cable 10m, 5 pole

Features

- ◆ Dew point transmitter for low dew point applications down to -80 °C_{td}
- ◆ Long term stability
- ◆ 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 1/2" thread
- ◆ High accuracy of 2 °C dew point (see chart below)

Technical data FA 410

Measuring range	-80 ~ +20 °C dew point 0 ~ 100 % rH -30 ~ 70 °C
Accuracy	2 °C dew point (see table below)
Pressure range	-0.1 ~ 1.6 MPa
Power supply	16 ~ 30 VDC / 60 mA
Ambient conditions	0 ~ 50 °C
Response time t95	< 30 sec (descending) < 10 sec (ascending)
Output signal	4 ~ 20 mA, 3-wire
Connection	M12, 5 pole
Casing	Zinc alloy, PC + ABS
Classification	IP65
Process connection	G 1/2" thread (ISO 228/1)

