

FA 400 dew point sensor with alarm and display (-80 ~ +20 °C_{td})



FA 400
Dew point sensor with
display and alarm

The CS dew point transmitter **FA 400** 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.

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 integrated display shows online measurement values and alarm status. One alarm can be programmed which will activate a relay.

FA 400 features a complete dew point meter with sensor, display, keyboard and alarm. The keyboard is placed behind a rubber cover and can be accessed by opening the cover on the top. Via two keys alarms and display features can be set. 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 0402	FA 400, dew point transmitter including 2 x M12 connector (straight type) -80 ~ +20 °C, G 1/2" thread
0553 0104	Connection cable 5m, 5 pole
0553 0105	Connection cable 10 m, 5 pole

Features

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

Technical data FA 400

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:	10 ~ 30 VDC / 60mA
Ambient conditions	0 ~ 50 °C
Response time	< 30 sec (descending)
t ₉₅	< 10 sec (ascending)
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)

