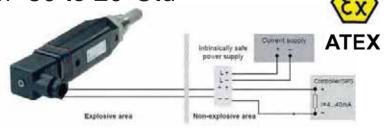
## **Dew point sensor FA 300 Ex**

from -80 to 20°Ctd



# Technical data FA 300-2 Ex

Measuring Pressure dew point in °Ctd range: -80...20 °Ctd = 4...20 mA FA 300-2 Ex: 24 VDC (10...30 VDC) Power supply: ± 0,5 °C at -10...50 °Ctd Accuracy: typical ± 2 °C at -40 °Ctd 4...20 mA in 2-wire **Output:** technology **Protection IP 65** class: EMV: according to DIN EN 61326 -20...70 °C Operating temp.: Storage temp.: -40...80 °C Burden for analogue output: < 500 Ω Screw-in thread: G 1/2" stainless steel Housing ma-

polycarbonate

less steel

Sintered filter 50 µm stain-

#### **Special features:**

- · Robust design
- · Pressure-tight up to 300 bar
- Long-term stable humidity sensor, approved for years
- 4...20 mA analogue output in 2-wire system
- Further parameters adjustable via software: % RH, g/m³, mg/m³, ppm V/V, g/kg
- CS Service Software for data storage and calibration (no approval for explosive areas)

FA 300-2 Ex measures the dew point resp. the pressure dew point in explosive areas of Zone 1. Protection class: FA 300-2 Ex: II 2 G Ex ia IIC T4.

With the Atex approval for Zone 1 the established dew point measuring instruments FA 300-2 can now be used in explosive areas of the industry as well.

FA 300-2 Ex may only be used in connection with approved Ex-rated power supplies or safety barriers or galvanic separating elements with max.:

U0 = 30 V max.

I0 = 100 mA max.

P0 = 1 W max.

Description	Order No.
FA 300-2 Ex pressure dew point meter	0699 3070
Measuring chamber up to 350 bar	0699 3590
Special scaling Analogue output to other humidity parameters:  % RH, g/m³, mg/m³, ppm V/V, g/kg	0699 4004
Intrinsically safe power supply, safety barriers	0554 3071

### **Mains units**



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Sensor protec-

Mains unit in wall housing



Mains unit in wall housing



Mains unit on DIN rail



Power supply

Description	Order No.
Mains unit in wall housing for sensors of the Series VA/FA 100-240 V, 10 VA, 50-60 Hz / 24 VDC, 0.35 A	0554 0108
Mains unit on DIN rail, 100-240 VAC / 24 VDC, 0.35 A	0699 3340
Power supply 100-240 VAC/24 VDC, 0.35 A for Series VA/FA 400, 2 m cable	0554 0107

# Technical data for mains unit in wall housing

nousing	
Dimensions:	118 x 133 x 92 mm (WxHxD)
Power supply:	100-240 VAC, 10 VA, 50-60 Hz
Output:	24 VDC, 0.35 A
Relay:	2 pieces, change-over contacts, 230 VAC,