



Dew point sensor FA 300 Ex from -80 to 20°Ctd



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)

Technical data

FA 300-2 Ex

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

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/m ³ , mg/m ³ , ppm V/V, g/kg	0699 4004
Intrinsically safe power supply, safety barriers	0554 3071

Mains units



Mains unit in wall housing



Mains unit in wall housing



Mains unit on DIN rail



Power supply

Technical data for mains unit in wall housing

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, 3 A

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