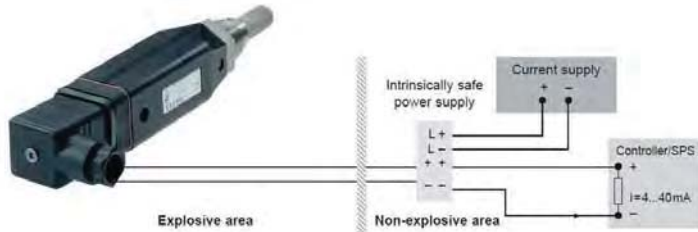




## Dew point sensor FA 300-2 Ex from -80 to 20°Ctd



### 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/m<sup>3</sup>, mg/m<sup>3</sup>, 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.:

U<sub>0</sub> = 30 V max.

I<sub>0</sub> = 100 mA max.

P<sub>0</sub> = 1 W max.

Description	Order No.
<b>FA 300-2 Ex pressure dew point meter</b>	<b>0699 3070</b>
Measuring chamber up to 350 bar	0699 3590
Special scaling Analogue output to other humidity parameters: % RH, g/m <sup>3</sup> , mg/m <sup>3</sup> , 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  
(back view)



Mains unit on DIN rail



Power supply

### Technical data for mains unit in wall housing

<b>Dimensions:</b>	118 x 115 x 98 mm (WxHxD)
<b>Power supply:</b>	100-240 VAC, 23 VA, 50-60 Hz
<b>Output:</b>	24 VDC, 0.35 A
<b>Relay:</b>	2 pieces, change-over contacts, 230 VAC, 3 A

Description	Order No.
Mains unit in wall housing for maximum 2 sensors of the series VA/FA 5xx, 100-240 V, 23 VA, 50-60 Hz / 24 VDC, 0.35 A	0554 0110
Mains unit in wall housing for maximum 4 sensors of the series VA 500/520 100-240 V, 23 VA, 50-60 Hz / 24 VDC, 0.35 A	0554 0111
Mains unit on DIN rail, 100-240 VAC / 24 VDC, 0.35 A	0699 3340
AC adapter plug 100-240 V AC / 24 V for VA/FA 5xx	0554 0109