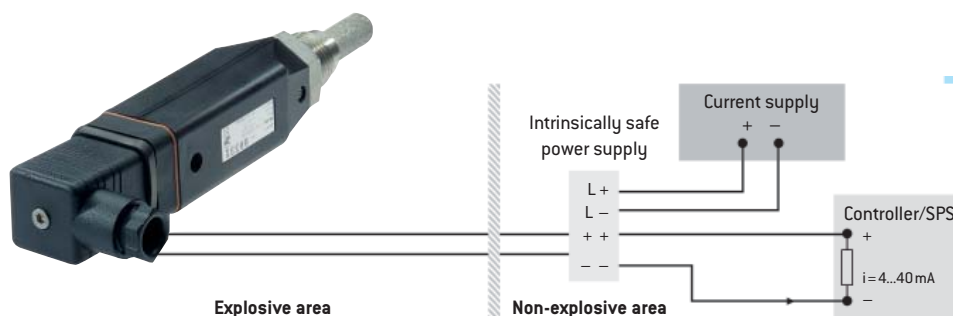




FA 300 Ex -80 to 20 °C_{td}



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

Technical data FA 300-2 Ex

Measuring range:	Pressure dew point in °C _{td}
FA 300-2 Ex:	-80...20 °C _{td} = 4...20 mA
Pressure range:	-1...300 bar
Power supply:	24 VDC (10...30 VDC)
Accuracy:	± 0,5 °C at -10...50 °C _{td} typical ± 2 °C at -40 °C _{td}
Output:	4...20 mA in 2-wire technology
Protection class:	IP 65
EMC:	according to DIN EN 61326
Operating temp.:	-20...70 °C
Storage temp.:	-40...80 °C
Burden for analogue output:	< 500 Ohm
Screw-in thread:	G1/2" 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 2G EEx ia II C T4

With the Atex approval for Zone 1 the established dew point measuring instruments FA 300-2 Ex 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.
IO = 100 mA max.
PO = 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	0699 4004
Analogue output to other humidity parameters: % RH g/m ³ , mg/m ³ , ppm V/V, g/kg	
Intrinsically safe power supply, safety barriers	0554 3071



DS 50

Digital display for panel mounting

- for FA 415, FA 416, FA 410, sensors



DS 50

Dew point display in wall housing

- for FA 415, FA 410, sensors

Technical data

Dimensions:	70 x 29 mm
Input:	1 digital input for FA 415, FA 416, FA 410
Display:	7 segment LED
Power supply:	18-32 V DC (also for supply of the connected sensor)
Analogue output:	4...20 mA looped through from sensor

Technical data

Dimensions:	118 x 115 x 93 mm, IP 65
Input:	1 digital input for FA 415, FA 410
Display:	7 segment LED
Power supply:	100-240 VAC, 50-60 Hz
Alarm output:	1 relay, 230 V AC, 3 A (alarm threshold has to be programmed at the sensor via service software) dew point sensors only
Analogue output:	4...20 mA looped through from sensor

Description	Order no.
DS 50 – digital display for panel mounting	0500 0001
DS 50 – dew point display in wall housing with alarm output	0500 0003