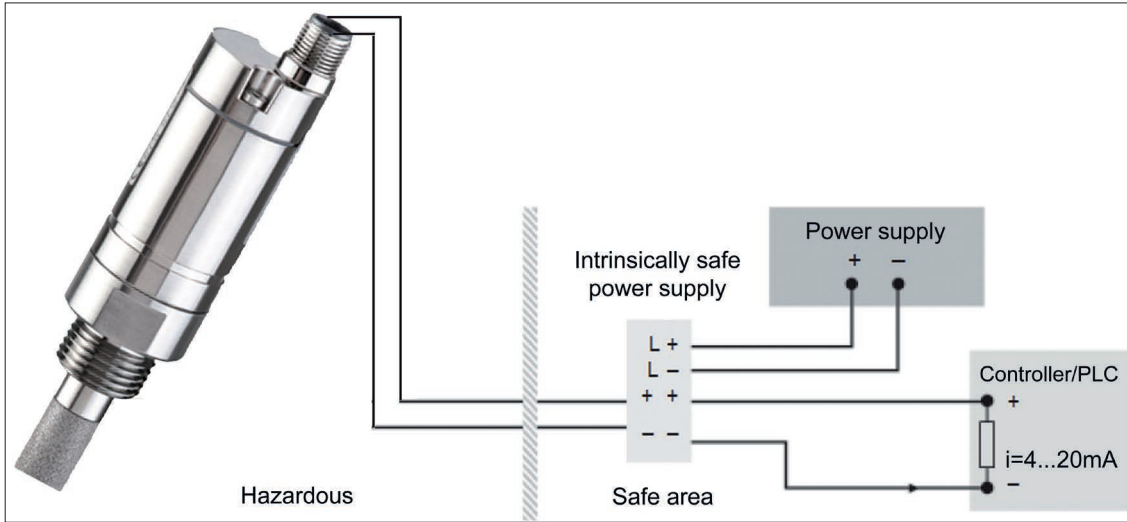




FA 515 Ex Dew point sensor - for residual moisture measurement in potentially explosive areas



The FA 515 Ex measures dew point resp. pressure dew point in potentially explosive atmospheres and can be used in many non-aggressive gases.

Typical applications:

- Air / Compressed air
- Argon
- Nitrogen
- Biogas
- Natural gas
- Hydrogen
- etc...

Special features:

- Robust design
- Pressure-tight up to 500 bar
- Long-term stable humidity sensor, approved for years
- 4...20 mA analogue output in 2-wire technology
- Further parameters adjustable via software: % RH, g/m³, mg/m³, ppm V/V, g/kg
- **NEW:** Higher resolution of the sensor signal due to improved evaluation electronics

Approvals:

- II 2 G Ex ib IIC T4 Gb Zone 1, gas, intrinsically, temp. 135 °C
- II 2 D Ex ib IIIC T80°C Db Zone 21, dust, intrinsically, temp. 80 °C

FA 515 Ex may only be used in connection with approved Ex-rated power supplies or safety barriers or galvanic separating elements with max.:

U₂ = 28 V max.
I₂ = 93 mA max.
P₂ = 0,65 W max.

TECHNICAL DATA FA 515 EX	
Measuring range:	-80...20 °Ctd = 4...20 mA
Pressure range:	-1...500 bar
Power supply::	24 VDC (10...30 VDC)
Accuracy:	± 1 °C to -20...+20 °Ctd ± 2 °C to -50...-20 °Ctd ± 3 °C to -80...-50 °Ctd
Output:	4...20 mA in 2-wire technology
Protection class:	IP 65
EMV:	according to DIN EN 61326-1
Operating temp.:	-20...+70 °C
Storage temp.:	-40...+80 °C
Burden for analogue output:	< 500 Ω to 24 V
Screw-in thread:	G 1/2" stainless steel, optional 5/8" UNF
Connection:	M12 4-pin
Sensor protection:	Sintered filter 50 µm stainless steel

DESCRIPTION	ORDER-NO.
FA 515 Ex pressure dew point meter	0699 5515
Measuring chamber up to 350 bar	0699 3590
Measuring chamber made of stainless steel	0699 3290
Special scaling, analogue output to other humidity parameters: %RH, g/m ³ , mg/m ³ , ppm V/V, g/kg	Z699 0514
Intrinsically safe power supply, safety barriers	0554 3071