



Dew point sensor FA 410 from -80 to 20° Ctd

FA 410 - the ideal dew point sensor for monitoring membrane and adsorption dryers

Typical use in compressed air dryers/ granulate dryers at very low dew points down to -80°C.

Recommendation:



Mounting with standard measuring chamber for compressed air up to 16 bar

Advantage: Easy installation via quick coupling

Special features:

- Measuring range -80...20°Ctd
- Extremely long-term stable
- Analogue output 4...20 mA
- Condensation insensitive
- Quick response time
- Pressure-tight up to 350 bar (special version)



Technical data FA 410

Measuring range:	-80...20°Ctd resp. -20...50°Ctd
Accuracy:	± 1°C at 20...-20°Ctd ± 2°C at -20...-50°Ctd ± 3°C at -50...-80°Ctd
Pressure range:	-1...50 bar special version up to 350 bar
Power supply:	24 VDC (16...30 VDC)
Protection class:	IP 65
EMV:	according to DIN EN 61326
Operating temp:	-20...70 °C
Connection:	M12, 5-pole
PC connection:	SDI interface
Analogue output:	4...20 mA = -80...20°Ctd resp. 4...20 mA = -20...50°Ctd
Burden for analogue output:	< 500 Ω
Screw-in thread:	G 1/2"
Dimensions:	Ø 30 mm, length approx. 130 mm
Via service software:	
- choose units	% RH, °Ctd, g/m ³ , mg/m ³ , ppm V/V
- scaling	change 4...20 mA
Special version:	4...20 mA, 2-wire technology

Description	Order No.
FA 410 dew point sensor, -80°...20°Ctd incl. inspection certificate	0699 0410
FA 410 dew point sensor, -20°...50°Ctd incl. inspection certificate	0699 0412
Connection cables:	
Connection cable, 5 m	0553 0104
Connection cable, 10 m	0553 0105
Options for FA 410:	
Option special version up to 350 bar	0699 4003
Option output in mg/m ³ , g/kg, oder %RH, special scaling 4...20 mA	0699 4004
Additional accessories:	
Standard measuring chamber up to 16 bar	0699 3390
High-pressure measuring chamber up to 350 bar	0699 3590
Measuring chamber for respiratory air bottles up to 350 bar	0699 3790
CS Service software incl. PC connection set for FA/VA 400 sensors, USB adapter and interface adapter, to the sensor (please see on page 58)	0554 2005
Mains unit in wall housing 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
Calibration:	
Precision calibration at -40°Ctd including ISO certificate	0699 3396
Precision calibration at 3°Ctd including ISO certificate	3200 0003
Control and calibration set 11.3 % RH	0554 0002
Control and calibration set 33 % RH	0554 0004
Control and calibration set 75.3 % RH	0554 0005