FA 400 from -80 to 20 °C$_{td}$

FA 400 is the ideal dew point measuring instrument with integrated display and alarm relay for refrigeration, membrane and adsorption dryers

It replaces the worldwide proven instrument FA 200.
The threshold value can be easily adjusted via the keypad.

Alarm adjustable
via keypad

Special features

● -80...20 °C$_{td}$

● Integrated display

● Threshold value adjustable via keypad alarm relay (max. 60 VDC, 0.5 A)

● Pressure-tight up to 350 bar (special version)

● Extreme long-term stability

● Quick response time

● 4...20 mA analogue output

● 2 versions: Refrigeration dryers and adsorption dryers

Description	Order no.
FA 400 dew point sensor for refrigeration dryers, -20...50 °Ctd	0699 0401
FA 400 dew point sensor for adsorption dryers, -80...20 °Ctd	0699 0402
FA 400 dew point sensor, replacement of FA 200, -60...30 °Ctd	0699 0403
Connection cables:	
Connection cable, length: 5m (power supply and analogue output)	0553 0104
Connection cable, length 10m (power supply and analogue output)	0553 0105
Alarm cable, length: 5m	0553 0106
Alarm cable, length: 10m	0553 0107
Options for FA 400:	
Special version FA 400 up to 350 bar	0699 4003
Special scaling, output in ppm V/V, % RH, mg/m^3	0699 4004
Additional accessories:	
Standard measuring chamber for compressed air up to 16 bar	0699 3390
CS Service Software for FA/VA 400 sensors including PC connection set, USB adapter and interface adapter to the sensor as well as CS Soft Professional software for data recording, see page 11	0554 2005
Mains unit in wall housing 230 VAC/24 VDC with alarm processing	0699 3495
Calibration:	
Precision calibration at -40 °Ctd including ISO certificate	0699 3396
Precision calibration at 0 °C and 10 °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

Technical data FA 400

Measuring range:	-80...20 °C$_{td}$, -60...30 °C$_{td}$, -20...50 °C$_{td}$ resp. 0...100 % RH
Accuracy:	± 1 °C at 20...-20 °C$_{td}$ ± 2 °C at -20...-50 °C$_{td}$ ± 3 °C at -50...-80 °C$_{td}$
Pressure range:	-1...50 bar special version up to 350 bar
Power supply:	24 VDC (16...30 VDC) smoothed
Protection class:	IP 65
EMC:	according to DIN EN 61326
Operating temp.:	-20...50 °C
Connection:	2 x M12, 5-pole for analogue output and alarm output
PC connection:	SDI interface
Output:	4...20 mA = -80...20 °C$_{td}$ 4...20 mA = -60...30 °C$_{td}$ 4...20 mA = -20...50 °C$_{td}$
Burden for analogue output:	< 500 Ohm
Alarm relay:	NO, max. 60 VDC, 0.5 A
Screw-in thread:	G1/2"
Dimensions:	Ø 65 mm, length approx. 160 mm
Output signals via software:	% RH, °C$_{td}$, g/m^3, mg/m^3, ppm V/V