



## Dew point sensor FA 400 from -80 to 20°Ctd

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

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 °Ctd
- 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 driers and desiccant driers



### Technical data FA 400

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

Description	Order No.
FA 400 dew point sensor for refrigeration driers, -20...50 °Ctd	0699 0401
FA 400 dew point sensor for desiccant driers, -80...20 °Ctd	0699 0402
FA 400 dew point sensor, -60...30 °Ctd	0699 0403
<b>Connection cables:</b>	
Connection cable, 5 m	0553 0104
Connection cable, 10 m	0553 0105
Alarm cable, length: 5 m	0553 0106
Alarm cable, length: 10 m	0553 0107
<b>Options for FA 400:</b>	
Option special version FA 400 up to 350 bar	0699 4003
Option special scaling, output in ppm V/V, % RH, mg/m <sup>3</sup>	0699 4004
<b>Additional accessories:</b>	
Standard measuring chamber up to 16 bar	0699 3390
CS Service software incl. PC connection set, USB adapter and interface adapter, to the sensor (please see page 60)	0554 2005
Mains unit in wall housing 100-240 V, 10 VA, 50-60 Hz/24 VDC, 0.35 A	0554 0108
Power supply 100-240 VAC/24 VDC, 0.35 A for FA/VA series, 2 m cable	0554 0107
<b>Calibration:</b>	
Precision calibration at -40°Ctd or +3°Ctd including ISO certificate	0699 3396
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