

Dew point sensor IFA 400 from -80 to 20°Ctd

IFA 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 IFA 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 dryers and adsorption dryers



Technical data IFA 400

Measuring range:	-80...20 °Ctd, -60...30 °Ctd, -20...50 °Ctd, resp. 0...100% RH
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) smoothed
Protection class:	IP 65
EMV:	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°Ctd 4...20 mA = -60...-30°Ctd 4...20 mA = -20...-50°Ctd
Burden for analogue output:	< 500 Ω
Alarm relay:	NO, max.60 VDC, 0.5 A
Screw-in thread:	G 1/2"
Dimensions:	Ø 65 mm, length 160 mm
Output signals via software:	% RH, °Ctd, g/m³, mg/m³, ppm V/V

Description	Order No.
IFA 400 dew point sensor for refrigeration dryers, -20...50 °Ctd	0699 0401
IFA 400 dew point sensor for adsorption dryers, -80...20 °Ctd	0699 0402
IFA 400 dew point sensor, -60...30 °Ctd	0699 0403
Connection cables:	
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
Options for IFA 400:	
Option special version FA 400 up to 350 bar	0699 4003
Option special scaling, output in ppm V/V, % RH, mg/m³	0699 4004
Additional accessories:	
Standard measuring chamber up to 16 bar	0699 3390
Service software incl. PC connection set, USB adapter and interface adapter, to the sensor (please see page 58)	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 400 Series, 2 m cable	0554 0107
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