



FA 415/FA 416 from -20 to 50 °C_{td}

The new dew point sensors FA 415/416 for the typical use in refrigeration dryers



FA 415 dew point sensor

The ideal dew point sensor for the monitoring of refrigeration dryers with analogue output 4...20 mA

Special features

- Analogue output 4...20 mA
- Precise, long-term stability
- Quick response time
- Measuring range -20...50 °C_{td}



FA 416 condensate switch

For reliable alarm signal in case of condensation with alarm relay and LED

Special features

- Dew point distance freely adjustable
- Alarm in case of condensation
- LED alarm signal
- Quick response time

Technical data FA 415/416

Measuring range:	-20...50 °C _{td} resp. 0...100 %RH
Accuracy:	± 1 °C at 20...10 °C _{td} ± 2 °C at -20 °C _{td}
Pressure range:	-1...16 bar
Power supply:	24 VDC (10...30 VDC)
Protection class:	IP 65
EMC:	according to DIN EN 61326
Operating temp.:	-20...70 °C
Connection:	M12, 5-pole
PC connection:	SDI interface
Screw-in thread:	G1/2"
Dimensions:	Ø 30 mm, length 130 mm
Output FA 415:	4...20 mA = -20...50 °C _{td}
Burden for analogue output:	< 500 Ohm
Output FA 416:	Relay NO max. 60 VDC, 0,5 A, ex factory 12 °C _{td} resp. in case of condensation, dew point distance freely adjustable

Recommendation:



Mounting with standard meas. chamber for compressed air up to 16 bar

Advantage: Easy installation via fast coupling.

Description	Order no.
FA 415 dew point sensor	0699 0415
FA 416 condensate switch	0699 0416
Connection cables:	
Connection cable, length: 5m	0553 0104
Connection cable, length: 10m	0553 0105
Additional accessories:	
Standard measuring chamber 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 (for FA 415)	0699 3395
Mains unit in wall housing 230 VAC/24 VDC with alarm processing (for FA 416)	0699 3495
External display, see pages 22 and 27	
Calibration:	
Precision calibration at 0 °C and 10 °C _{td} 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