



Dew point set DS 52 for adsorption dryers

consisting of:

- Digital process meter DS 52



- Standard measuring chamber



- Option alarm unit (buzzer and continuous red light)

- Dew point sensor FA 410

The measuring range of $-80...20^{\circ}\text{Ctd}$ makes the dew point set DS 52 with alarm the ideal dew point monitor with analogue output $4...20\text{ mA}$.

The dew point sensor FA 410 is extremely long-term stable and can be installed and removed quickly and easily under pressure by means of the screwable measuring chamber including quick coupling. The dew point set is supplied ready for plug-in, i.e. everything is completely wired. The alarm values can be freely adjusted.

Special features:

- System ready for plug-in: Everything completely wired
- No time-consuming studying of the instruction manual
- 2 alarm contacts (230 VAC, 3 A) pre- and main alarm freely adjustable
- $4...20\text{ mA}$ analogue output
- Option alarm unit: Buzzer and continuous red light

Technical data display DS 52:

Dimensions:	118 x 92 x 93 mm
Display:	LED red, 7 segments, height: 13 mm, 5 digits, 2 LED for alarm relay
Keypad:	4 keys
Input:	dew point sensor FA 410
Power supply:	230 VAC, 50/60 Hz; Option: 24 VDC or 110 VAC 50/60 Hz
Alarm outputs:	2 x relay output, changeover contact, 250 VAC, max. 3 A
Operating temperature:	$-10...+60^{\circ}\text{C}$ (storage temp. $-20^{\circ}\text{C}...+80^{\circ}\text{C}$)
Alarm thresholds:	freely adjustable
Hysteresis:	2°Ctd
Analogue output:	$4...20\text{ mA} = -80...20^{\circ}\text{Ctd}$

Technical data dew point sensor FA 410

Measuring range:	$-80...20^{\circ}\text{Ctd}$ resp. $-20...50^{\circ}\text{Ctd}$
Accuracy:	$\pm 1^{\circ}\text{C}$ at $20...-20^{\circ}\text{Ctd}$ $\pm 2^{\circ}\text{C}$ at $-20...-50^{\circ}\text{Ctd}$ $\pm 3^{\circ}\text{C}$ at $-50...-80^{\circ}\text{Ctd}$
Pressure range:	$-1...50\text{ bar}$ special version up to 350 bar
Protection class:	IP 65
EMV:	according to DIN EN 61326
Operating temp:	$-20...70^{\circ}\text{C}$
Burden for analogue output:	$< 500\ \Omega$
Screw-in thread:	G 1/2" without meas. chamber

Description	Order No.
Dew point set DS 52 for adsorption dryers, consisting of:	0600 0420
DS 52 LED digital process meter in wall housing	0500 0007
FA 410 dew point sensor ($-80...20^{\circ}\text{Ctd}$)	0699 0410
Standard measuring chamber up to 16 bar	0699 3390
Connection cable for VA/FA Series, 5 m with M12 plug	0553 0104
Options:	
Power supply 24 VDC (instead of 230 VAC)	Z500 0001
Power supply 110 VAC (instead of 230 VAC)	Z500 0002
Alarm unit mounted at wall housing	Z500 0003
Alarm unit for external mounting with 5 m cable	Z500 0004
Additional accessory:	
Precision calibration at -40°Ctd including ISO certificate	0699 3396