

# Dew point set IDS 52 for adsorption dryers

consisting of:

- Digital process meter IDS 52



- Standard measuring chamber



- Option alarm unit (buzzer and continuous red light)

- Dew point sensor IFA 410

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

The dew point sensor IFA 410 is extremely long-term stable and can be installed and re-moved 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. every-thing 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 IDS 52:

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

## Technical data dew point sensor IFA 410

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

Description	Order No.
<b>Dew point set IDS 52 for adsorption dryers, consisting of:</b>	<b>0600 0420</b>
IDS 52 LED digital process meter in wall housing	0500 0007
IFA 410 dew point sensor ( $-80...20^{\circ}\text{Ctd}$ )	0699 0410
Standard measuring chamber up to 16 bar	0699 3390
Connection cable for IVA/IFA Series, 5 m with M12 plug	0553 0104
<b>Options:</b>	
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
<b>Additional accessory:</b>	
Precision calibration at $-40^{\circ}\text{Ctd}$ including ISO certificate	0699 3396