

## Portable dew point meter DP 300

Relative humidity, temperature and dew point measurement with one instrument

The portable dew point meter DP 300 is the ideal instrument for service and is supplied in a convenient case. Thanks to the internal rechargeable battery it measures quickly and reliably for a duration of up to 15 hours.



### Special feature

- Large measuring range to  $-80\text{ }^{\circ}\text{C}_{\text{td}}$  for all dryers (adsorption, membrane, refrigeration dryers)

### Technical data DP 300

<b>Display single line:</b>	dew point ( $^{\circ}\text{C}_{\text{td}}$ resp. $^{\circ}\text{F}$ ) relative humidity (% RH) temperature ( $^{\circ}\text{C}$ resp. $^{\circ}\text{F}$ ) freely selectable
<b>Display functions:</b>	Max, Min, state of battery
<b>Measuring range:</b>	$-80\text{...}50\text{ }^{\circ}\text{C}_{\text{td}}$ $-20\text{...}70\text{ }^{\circ}\text{C}$ 0 to 100 % RH
<b>Pressure range:</b>	$-1$ to 50 bar standard $-1$ to 350 bar high-pressure version
<b>PC connection:</b>	SDI interface
<b>Accuracy:</b>	$\pm 0,5\text{ }^{\circ}\text{C}_{\text{td}}$ at $-10\text{...}50\text{ }^{\circ}\text{C}_{\text{td}}$ typical $\pm 2\text{ }^{\circ}\text{C}_{\text{td}}$ at $-40\text{ }^{\circ}\text{C}_{\text{td}}$
<b>Power supply:</b>	internal rech. batteries (4 x 1,5 NiMH AAA) for approx. 15 h continuous operation
<b>Operating temp:</b>	$-20\text{...}70\text{ }^{\circ}\text{C}$
<b>EMC:</b>	DIN EN 61326
<b>Screw-in thread:</b>	G 1/2" stainless steel
<b>Housing:</b>	polycarbonate

Description	Order no.
<b>Set DP 300 consisting of:</b>	<b>0600 6000</b>
Portable dew point meter DP300 up to 50 bar incl. rechargeable battery	0560 6000
Mobile measuring chamber up to 16 bar	0699 4490
Diffusion-tight teflon hose 1 m with fast coupling at both ends	0554 0003
Power supply 24 VDC, 230 VAC for rech. battery load and long-term meas.	0554 0001
Control and calibration set 11.3 % RH	0554 0002
Transport case	0554 6002
<b>Additional accessories, not included in the set:</b>	
Portable dew point meter DP 300 up to 350 bar including rech. battery	0560 6001
High-pressure measuring chamber up to 350 bar	0699 3590
Precision calibration at $-40\text{ }^{\circ}\text{C}_{\text{td}}$ with ISO certificate	0699 3396
Measuring chamber for atmospheric dew point	0699 3690
Measuring chamber for granulate dryers for minimum over pressure	0699 3490
Measuring chamber for respiratory air bottles up to 350 bar	0699 3790
Control and calibration set 33 % RH	0554 0004
Control and calibration set 75.3 % RH	0554 0005