

Portable measuring instrument DP 300

Measure relative humidity, temperature dewpoint with one instrument



Clear display
Max- and Min display
Display: %RH, °C, °C_{td}



Control a dryer with DP 300



Set DP 300 incl. accessories

Keeping a specific dewpoint is the requirement for a troublefree plant operation. The mobile dewpoint measuring instrument **DP 300** is the ideal service instrument in a handy case.

It measures relative humidity, temperature, and the dewpoint up to 50 bar, easy, fast, without an annoying cable.

With the PC software the measured data can be recorded in an Excel file and further parameters can be selected: ppm, g/kg, mg/m³, atmospheric dewpoint.

Special version up to 350 bar.

Description	Order No.
Set DP 300 Set DP 300 consisting of:	0600 6000
Dewpoint measuring instrument DP 300 up to 50 bar incl. storage battery	0560 6000
Standard measuring chamber up to 16 bar	0699 3390
Diffusion-tight Teflon cable 1m with fast coupling	0554 0003
Power mains for storage battery charging and long-term measurement	0554 0001
Control and calibration set 11,3 % RH	0554 0002
Transport case	0554 6002
Additional accessories not included in the set:	
Dewpoint measuring instrument DP 300 up to 350 bar incl. storage battery	0560 6001
PC software for data recording incl. RS 232 cable, power mains	0699 3399
Precision calibration at -40°C dewpoint with ISO certificate	0699 3396
Measuring chamber for atmospheric pressure dewpoint	0699 3690
High pressure measuring chamber up to 350 bar	0699 3590
Measuring chamber for granulate dryers for min. overpressure	0699 3490
High pressure 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

Technical Data DP 300

Display: dewpoint (°C_{td} resp. °F)
single line: relative humidity (% RH)
temperature (°C resp. °F)

alternatively to the dewpoint further parameters can be displayed: ppmV/V, atmospheric dewpoint in °C, g/m³, mg/m³, g/kg and °F.

Display-functions: Max, Min, state of battery
Measuring range: -80..50°C_{td}
-20..70°C
0 up to 100 % RH

Pressure range: -1 up to 50 bar standard
-1 up to 350 bar high pres. version

Outputs: RS 232 PC connection, serial data interface (SDI)

Accuracy: ± 0,5 °C_{td} (-10...50°C_{td})
typical ± 2°C_{td} at -40°C_{td}

Power supply: internal chargeable storage battery (4 x 1,5 NiMH AAA)
for approx. 15 h continual operation
continual measurement with mains operation via recharger
display Low batt max. 2 hours remaining operating time

Operating temperature: -20...70°C measuring gas temp.
0...50°C ambient temperature

EMV: DIN EN 61326

Screw-in thread: 1/2" stainless steel

Housing: Polycarbonate



PC software for:

data storage in Excel
on site calibration with recording and print out further humidity parameters adjustable:
ppm, g/kg, mg/m³, atmospheric dewpoint, °F

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