

Dew Point Generator DPG^{one}

Generating precise dew points.

Generating and representing freely selectable dew points.

- DPG^{one} generates an air flow with defined humidity from a compressed air supply with a dew point of -70°C TP
- reference for control internally or externally
- air flow with fixed set value or as ramp function with a defined slope
- parts touching the medium made of stainless steel, glass, brass, PTFE, NBR, PUR, aluminium, nickel (among others)

Features

- flow rate max. 2 l/min
- accuracy typically $\pm 2^{\circ}\text{C dp}$
- 10"-display with touch
- mixing chamber procedure
- generated humidity ranging from -50°C dp to $+10^{\circ}\text{C dp}$
- high long-term stability



Dew Point Generator DPG^{one}

serial number 01010026
version number 0.0a

dew point ramp control

19. Mai 2011
13:19:44

set value, internal °Cdp
set value, ramp °Cdp/h

1	2	3	4	5	6	7	8	9
Q	W	E	R	T	Z	U	I	O
A	S	D	F	G	H	J	K	L
Y	X	C	V	B	N	M	,	.

serial number 01010026
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dew point control

19. Mai 2011
13:18:40

	internal		external
set value	-10,5	°Cdp	<input type="text"/> °Cdp
actual value	-93,8	°Cdp	<input type="text"/> °Cdp
deviation	-83,3	°Cdp	<input type="text"/> °Cdp
adjusting variable	22,0	%	<input type="button" value="Freeze"/>
P(actual) input	959	mbar	
P(actual) wet flask	957	mbar	
V5 modus	not active		

Technical Data

- supply
230V AC, 50-60 Hz
- power input
50 W
- interfaces
RS232, 4-20 mA input
- optional outputs
4 x 4-20 mA
- operating temperature
+10°C to 40°C
- protection type
IP20
- housing
19", 6HU
- mass
25 kg

Service

- Recalibration and maintenance