

Dew Point Tester



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General product information

In the beer and beverage industry, the quality of carbon dioxide (CO₂) is decisive to the quality and taste. A low oxygen content is crucial to avoid oxygen pick up in beverages.

The CO₂ collected from fermentation is liquified in order to reduce the space needed for storage and to purify the CO₂ from non-condensable gasses (O₂ and N₂).

In order to avoid that any humidity present in the gas will freeze during liquifaction, which could cause a shut down of the gas production plant, the humidity of the gas should be so low that no ice crystals are formed at these low operating temperatures.

The Norit Haffmans Dew Point Tester, type DPT, accurately measures the condensation temperature of humidity present in CO₂ or other gasses.

The DPT is properly flushed with gas and a low gas stream is set. The cup of the instrument is filled with acetone cooled down with dry ice and stirred with the temperature probe. When condensation appears on the cup, the temperature displayed is the atmospheric dew point.



DPT

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Benefits

- Perfect product control
- Cost saving
 - avoiding shut down of the gas production plant

Applications

- CO₂ Recovery Systems

Technical Data

Dew Point Tester

Dew Point:	> -80 °C
Accuracy:	< 1 °C
Power supply:	9 V block battery
Dimensions:	Ø 100 x 155 mm
Weight:	1100 g

Digital temperature measurement

Temperature range:	-199 to 199 °C
Resolution:	0.1 °C
Accuracy:	0.1 % of measured value from -90 to 199 °C
Power supply:	9 V block battery
Dimensions:	110 x 66 x 30 (LxWxH in mm)
Weight:	190 g

Additives Acetone and CO₂ dry ice

Scope of Supply

- Dew Point Tester, type DPT
- Battery
- Digital temperature measurement
- Safety set
- Sample bag for dry ice
- Hose
- Instruction Manual

Options

- Certificate of Measurement
- Flow meter



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Please visit our website to obtain information about your local support.

Haffmans BV reserves the right to make changes in the technical specifications at any time.

DPT

Norit
leading in purification

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