

HAFFMANS DPT DEW POINT TESTER

GENERAL PRODUCT INFORMATION

In the beer and beverage industries, the quality of carbon dioxide (CO_2) is a determining factor in the product's quality and taste. The CO_2 collected from fermentation is liquified in order to reduce the space needed for storage and to purify the CO_2 from non-condensable gases – oxygen (O_2) and nitrogen (N_2).

In order to avoid the potential for any humidity present in the gas to freeze during liquefaction, which could cause a shutdown of the gas production plant, the humidity of the gas needs to be so low that no ice crystals are formed at these low operating temperatures.

The Dew Point Tester, type DPT, accurately measures the condensation temperature of humidity present in CO_2 or other gases.

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.



CUSTOMER BENEFITS

- Perfect product control
- Cost saving
 - helps avoid gas production plant shut down

APPLICATIONS

- CO_2 recovery systems

HAFFMANS DPT

DEW POINT TESTER

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

1.1 kg

DIGITAL TEMPERATURE MEASUREMENT

Temperature range

-199 to 199 °C

Resolution

0.1 °C

Accuracy

0.1 % of m.v. from -90 to 199 °C

Power supply

9 V block battery

Dimensions

110 x 66 x 30 (L x W x H 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

**HAFFMANS B.V.**

P.O. BOX 3150, 5902 RD VENLO, NETHERLANDS WWW.FOODANDBEVERAGE.PENTAIR.COM

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