

# HAFFMANS DPT DEW POINT TESTER

PRODUCT LEAFLET

---



## GENERAL PRODUCT INFORMATION

---

In the beer and beverage industries, the quality of carbon dioxide (CO<sub>2</sub>) is a determining factor in the product's quality and taste. The CO<sub>2</sub> collected from fermentation is liquified in order to reduce the space needed for storage and to purify the CO<sub>2</sub> from non-condensable gases – oxygen (O<sub>2</sub>) and nitrogen (N<sub>2</sub>).

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<sub>2</sub> 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.

## BENEFITS

---

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

## APPLICATIONS

---

- CO<sub>2</sub> recovery systems

# HAFFMANS DPT

## DEW POINT TESTER

PRODUCT LEAFLET

### 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 CO<sub>2</sub> 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 BV

P.O. BOX 3150 NL-5902 RD VENLO, NETHERLANDS WWW.HAFFMANS.NL

All Pentair trademarks and logos are owned by Pentair, Inc. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

DPT E-4/12 © 2012 Pentair, Inc. All Rights Reserved.

