

#### Representantes / Distribuidores Exclusivo

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# Model CMH-RPC Web: www.dastecsrl.com Chilled Mirror Hygrometer

Chilled Mirror
-90°C to +20°C (-130°F to +68°F)

**Model CMH-RPC** is designed to measure moisture in gas as low as  $-90^{\circ}$ C (-130°F) dewpoint (T<sub>d</sub>). It comprises a three stage peltier cooled mirror hygrometer and integral refrigeration unit.

**Model CMH-RPC** can display concentration at atmospheric pressure or compensate for pressure variations with input from a pressure transducer.

- Primary measurement technique, ideal for laboratory, scientific, research applications and many more.
- Can be configured to include pressure or temperature measurements.



Measuring instrument conforms with BS EN 61326-1

<u>Accuracy to ± 0.2°C dewpoint</u> - Bench or Counter Top Standing - Front panel access to all main components including mirror cleaning - Fast response - Stable - Reliable - Easy set up.

# **Features and Technical Specification**

Sensor.

• Three Stage Peltier with additional refrigeration.

# Manual Balance Control (MBC).

- Automatically corrects for most mirror contaminants.
- Automatically re-balances the optics at switch on.

# **Programmable Automatic Balance Cycle (PABC)**

- Programmable interval of balance control for greatest convenience.
- Increases the length of unattended operation.

8 Line LCD Graphic data display with backlight. Measurements in °C or °F dewpoint. %RH, AT, ppm(v) and pressure also available.

Scrolling menu via front panel.

## **Dual alarm capability**

- User programmable.
- Can be set for latching or auto-reset mode.

# Serial output

- RS232 communication with terminal, printer, or computer.
- Remote programming.
- Data output such as dew point and alarm status.

## **Analogue output**

0-5 VDC, 4-20 mA, 0-10 VDC, or 0-20mA.

- User scalable to drive peripheral devices.
- Available simultaneously, one output per measurement parameter.
- Scalable throughout the entire operating range of psychometric variables.
- Programme via front panel.

Pressure transducer input for psychometric variable (Optional Extra).

Temperature sensor for RH calculation (Optional Extra).

#### Power:

Universal 110-230 VAC, 50/60Hz.

# **Sample Pressure:**

0 to 5 bar (0 to 75 psia).

## Sample Flow Rate:

0.25 to 2.4 litres/minute (0.5/5.0 SCFH).

**Accuracy**: +/-0.2°C dewpoint.

#### Range:

-90°C dewpoint to +20°C dewpoint.

# **Certificate of Calibration:**

Traceable to National/International Humidity Standards.

**Dimensions:** 600 x 520 x 435mm.

Packed Dimensions: 740 x 680 x 590mm.

Weight: 47 Kg.

Packed Weight: 70 Kg.

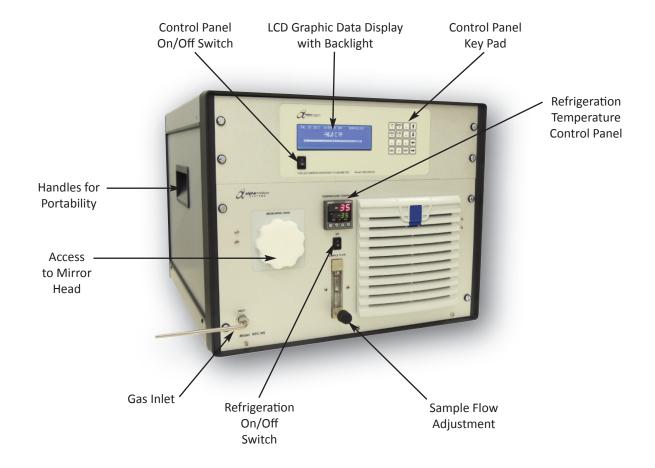
# **How to Order**

Please call us to discuss with our experienced Technical Sales Engineers your exact requirements.

Note: Can be configured to include pressure or temperature measurements.

Please Call +44 (0) 1274 733 100 or Email: info@amsystems.co.uk to discuss your needs.

# Model CMH-RPC in more detail



See our websites www.amsystems.co.uk and www.dew-point.com for more Dewpoint Measurement Solutions.

Product specification may be subject to change, without prior notice, as part of our ongoing product development programme.

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