

Dew Point Sensor – W Series

Wall mount dew point sensor down to -110°C (-166°F)

Key Features

- Three dew point ranges:
 - -60°C to +60°C | -76°F to +140°F
 - -80°C to +20°C | -112°F to +68°F
 - -110°C to +20°C | -166°F to +68°F
- Two independent alarms
 - Built-in alarm - red/green light and siren
 - External alarm
- Pressure: 0 to 17 bar | 0 to 247 psi
- Touch screen display
- Power Supply: 110- 220vAC , 10 W
- Accuracy: up to ±2%
- Outputs: 4...20 mA and external alarm
- Measure: dew point, relative humidity, temperature and pressure (optional)



About

With this 'all-in-one' wall mounted unit you can continuously monitor your dryer performance and system pressure (if fitted with the optional pressure sensor). Should an issue occur, the integrated alarm light will draw immediate attention.

The dew point sensor is resistant to condensation, particulate contamination, oil vapors and most chemicals.

The fast response time ensures an accurate and up to date reading, giving you peace of mind that your system is under control. Sensor calibration can be performed every 2 years.

Applications

- Manufacturing and industrial use
- Gas Types: compressed air, nitrogen and inert gas systems
- Temporary or permanent installation
- Gas pressure up to 17 bar (246 psi)

Specifications

Sensor

Sensor Technology Quartz (QCM), Alumina-Oxide or Polymer sensor (depending on the dew point range)

Sensor Filter Stainless steel mesh filter (filter level 30-45 um)

Contact us for other filter options

Measurement Range

Pressure Dew Point Range -110°C to +20°C (-166°F to +68°F)
-80°C to +20°C (-112°F to +68°F)
-60°C to +60°C (-76°F to +140°F)

Gas Temperature Measurement Range -40 to +100 °C
-40 to +212°F

Pressure Measurement Range 0 to 17 bar (246 psi)

Accuracy

Dew Point Accuracy
• +60 to -80°C ±2%
• -80 to -110°C ±3%

Temperature Accuracy
• 0 to + 50°C ±0.3°C
• -40 to 0°C and +50 to +100°C ±0.5°C

Pressure Accuracy (@23°C) ±0.3% F.S

Pressure changes with temperature ±0.01 bar / 10°C

Dew Point Measurement Response Time

-50 to +20 °Ctd 20 sec [40 sec]

+20 to -50 °Ctd 1 min [3 min]

Reference Conditions: 63% [90%], 20 °C, 1bar(a), 4L/min

Working Environment

Operating Temperature -30 to +70°C
-22 to +158°F

Relative Humidity 0 to 95% RH

Minimum gas flow > 1L /min

Power Supply

Power Requirement 110- 220vAC , 10 W

Electrical Connection M12 PG Plug

Electromagnetic Compatibility Meets IEC 61326-1

Other

Outputs None

Process Connection 6 mm stainless steel quick connector

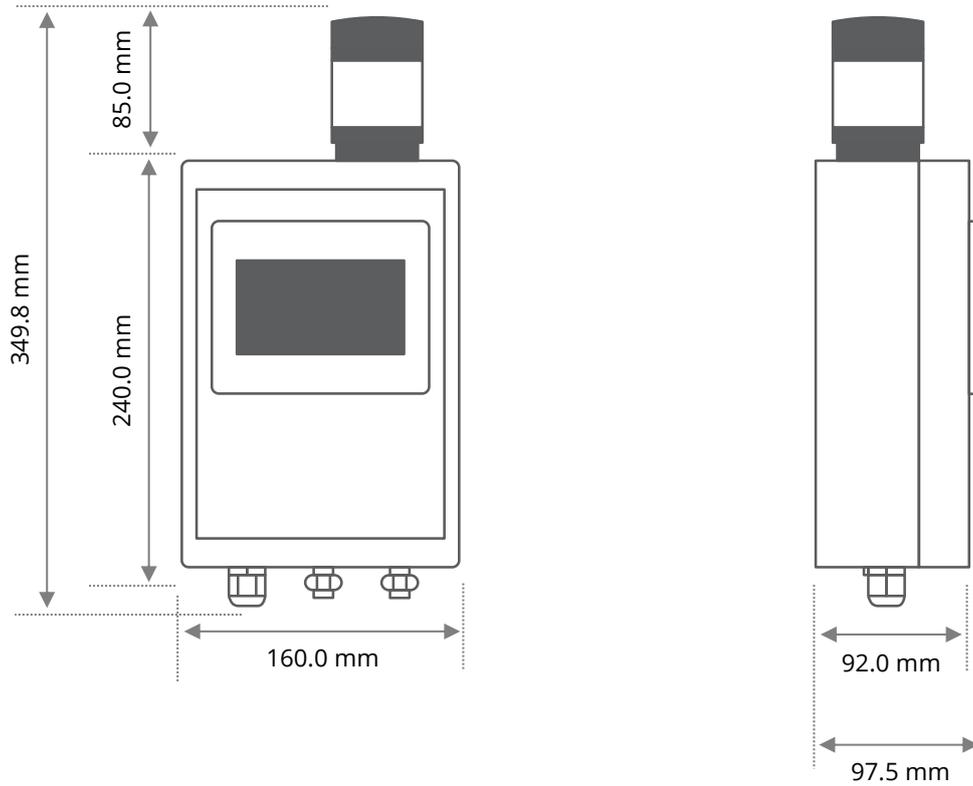
Casing Plastic

Display Colour touch screen

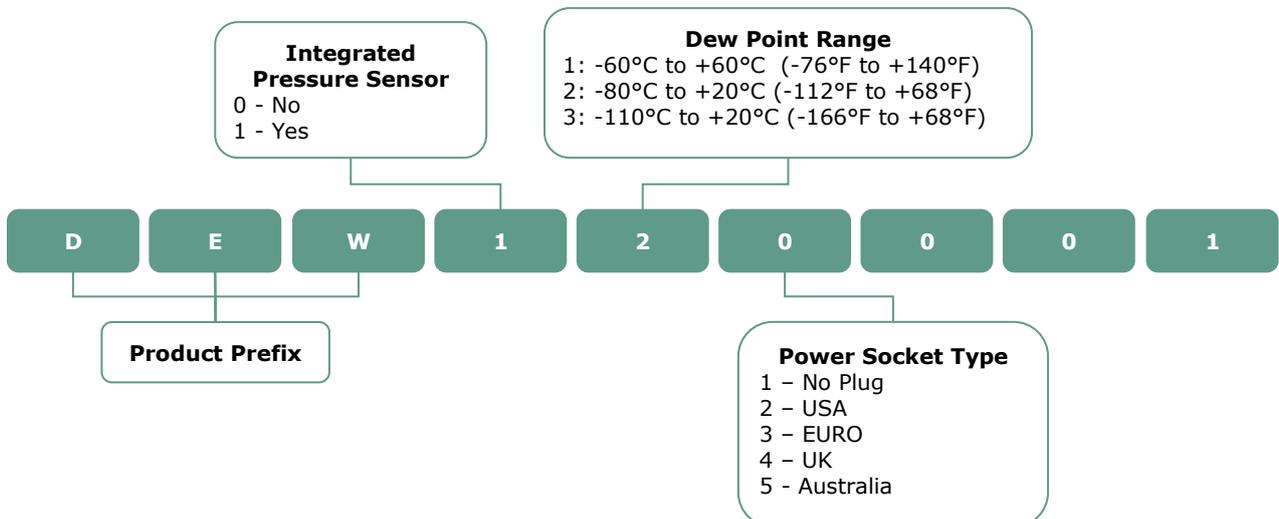
Alarm Red/green light
Buzzer

HS Code 9025.80.40

Dimensions (mm)



How to Order



Dew Point Sensor Product Range



W Series Dew Point Sensor

Wall mount dew point monitor. Comes with a large display and alarm (red/green light, siren)

Pressure Dew Point Range

-110°C to +20°C (-166°F to +68°F) or

-80°C to +20°C (-112°F to +68°F) or

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Minimal to moderate contamination

Outputs

4-20mA and alarm relay

Technology

Alumina-Oxide or Polymer sensor (depending on dew point range)

Options

Integrated pressure sensor

Power Plug (USA, Euro, UK or Australian plug)



A Series Dew Point Sensor

Ideal for very low dew points

Pressure Dew Point Range

-110°C to +20°C (-166 °F to +68°F) or

-80°C to +20°C (-112°F to +68°F)

Gas Contamination

Minimal contamination

Outputs

Modbus & 4-20mA

Technology

Alumina-Oxide sensor

Options

Integrated pressure sensor, in-built display, data cable, outdoor casing (IP67 rating)



K Series Dew Point Sensor

Robust sensor, suitable for harsh conditions

Pressure Dew Point Range

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Moderate levels of contamination

Outputs

Modbus & 4-20mA

Technology

Polymer sensor

Options

Integrated pressure sensor, in-built display, data cable, outdoor casing (IP67 rating)



Mini Dew Point Sensor

Entry level sensor. Compact design. Can be used in small spaces

Pressure Dew Point Range

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Moderate levels of contamination

Outputs

Modbus & 4-20mA

Technology

Polymer sensor

Options

Stainless Steel or Aluminium casing

Note: No integrated pressure or in-built display option available



H Series Dew Point Meter

Portable / Handheld dew point meter. Ideal for temporary measurement

Pressure Dew Point Range

-110°C to +20°C (-166°F to +68°F)

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Minimal to moderate contamination

Outputs

None. Stand alone unit

Technology

Alumina-Oxide or Polymer sensor (depending on dew point range)

Options

None – comes with integrated pressure sensor and measurement chamber



Strength

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