Dew Point Sensor – W Series

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

SENSORS

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
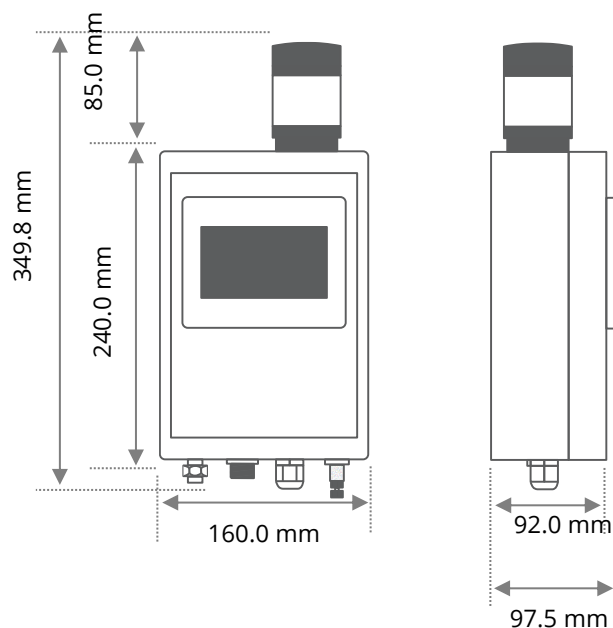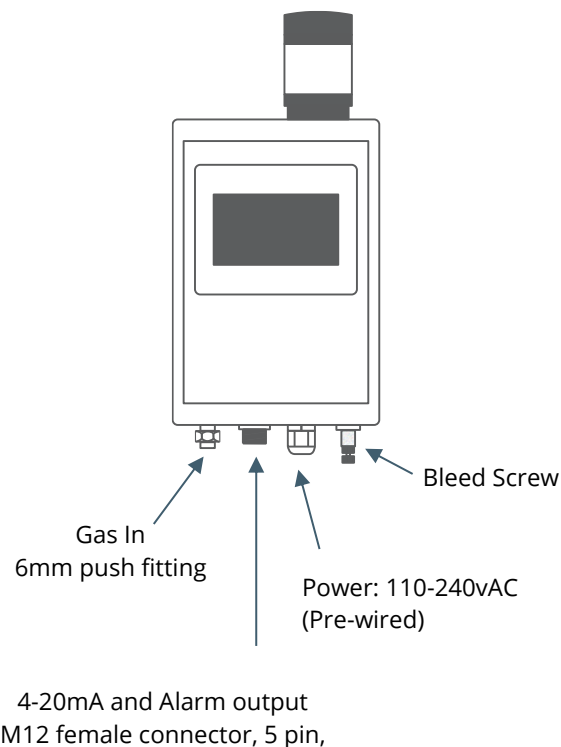- Gas pressure up to 17 bar (246 psi)

More Info

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	4-20mA
	Alarm Relay
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)

85.0 mm

349.8 mm

240.0 mm

160.0 mm

92.0 mm

97.5 mm

Connections

Bleed Screw

Gas In
6mm push fitting

Power: 110-240vAC
(Pre-wired)

4-20mA and Alarm output
M12 female connector, 5 pin,

How to Order

Find a Distributor: www.caasensors/distributors

Integrated Pressure Sensor
0 - No
1 - Yes

Dew Point Range
1: -60°C to +60°C (-76°F to +140°F)
2: -80°C to +20°C (-112°F to +68°F)
3: -110°C to +20°C (-166°F to +68°F)

| D | E | W | 1 | 2 | 5 | 0 | 0 | 1 |

Product Prefix

Power Socket Type
1 – No Plug
2 – USA
3 – EURO
4 – UK
5 - Australia

CAA
SENSORS
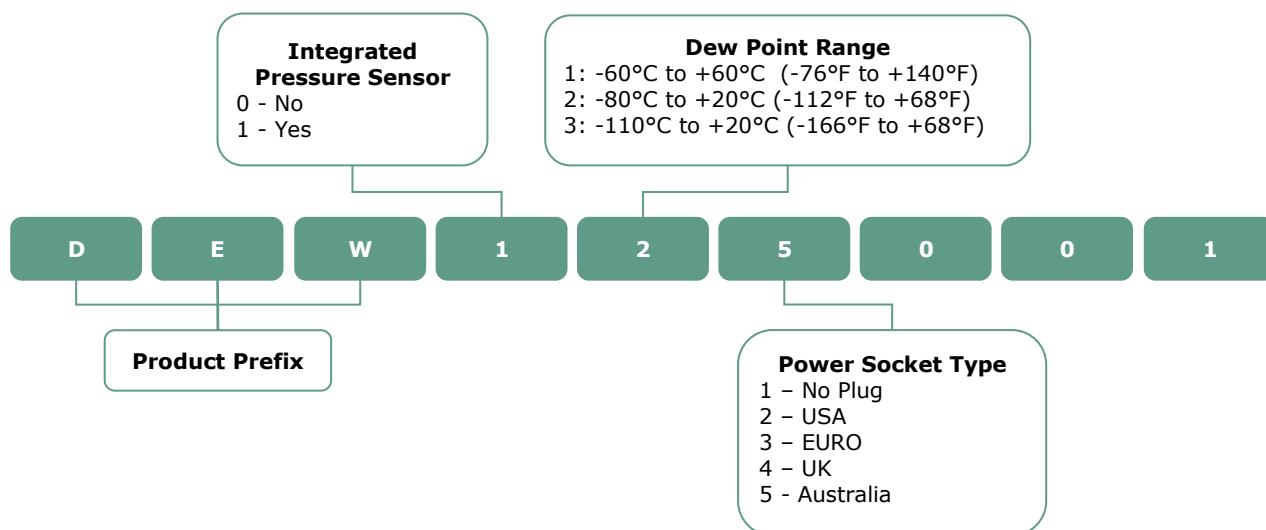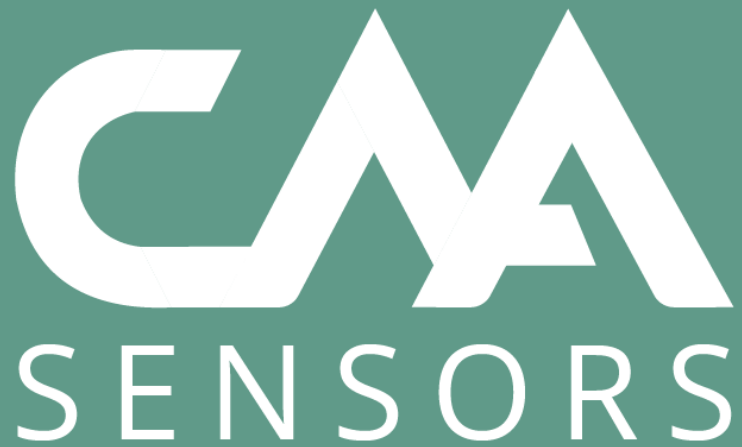
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