

# Dew Point Sensor – Mini Series

Compact sensor for membrane, drum, refrigerant dryers

## Key Features

- Dew Point Range:
  - -60°C to +60°C | -76°F to +140°F
- IP65 rating
- Accuracy: ±2%
- Power Supply: 10 ... 30 VDC
- Output:
  - Digital: Modbus RTU
  - Analogue: 4...20 mA
- Measure:
  - Pressure Dew Point (PDP), Relative Humidity (RH) and Temperature.



## About

This compact dew point sensor is perfectly suited for compressed air and inert gas systems up to 4 Mpa (600psi).

With its precision polymer technology and strong contamination resistance, sensor calibration can be performed every 2 years. The fast response time ensures an accurate and up to date reading, giving you peace of mind that your system is under control.

## Applications

- Manufacturing and industrial use
- Inert, non-corrosive gas systems
- Temporary or permanent installation
- Gas pressure up to 50 bar (725 psi)



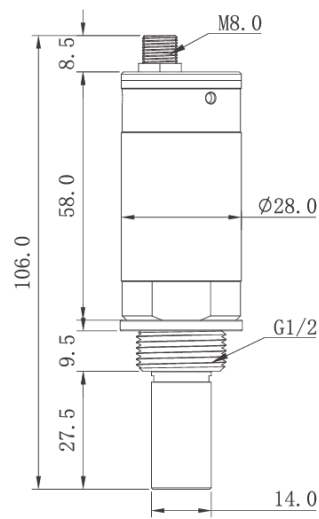
More Info

## Specifications

Sensor	
Sensor Technology	Polymer sensor
Sensor Filter	Stainless steel mesh filter (filter grade 40-50 µm)
Contact us for other filter options	
Measurement Range	
Pressure Dew Point Range	-60 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 50 bar
Accuracy	
Dew Point Accuracy	±2%
Temperature Accuracy	
• 0 to + 50°C	±0.3°C
• -40 to 0°C and +50 to +100°C	±0.5°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	
Power Supply	
Power Requirement	10 ... 30 VDC Max 50 mA @ 24 V
Electromagnetic Compatibility	Meets IEC 61326-1

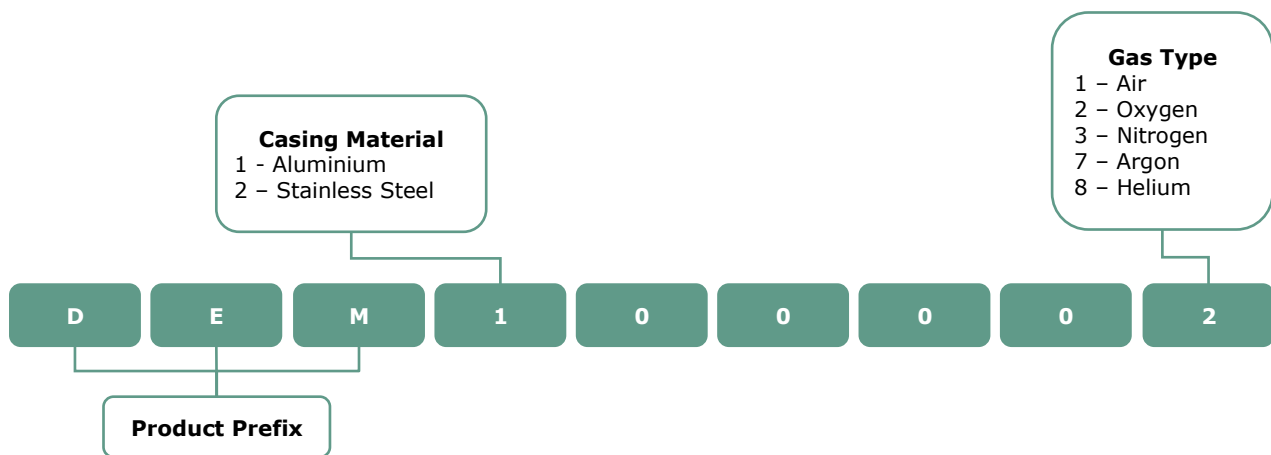
Output	
Outputs	4-20 mA (3 wire) Modbus RTU (RS485)
Current Output Resolution	0.002 mA
Current Output Temperature Drift	0.01% of span/°C
Current Output Load	Max 500 ohm
Connector	1 x 5 pin M8, female
Working Environment	
Operating Temperature	-30 to +70°C -22 to +158°F
Relative Humidity	0 to 95% RH
Minimum gas flow	> 1L /min
Other	
Process Connection	G1/2" thread
Contact us for UNF process connection	
IP Rating	IP65
Casing	Aluminium, or Stainless Steel
Dimensions	106 mm x 28 mm 4.2" x 1.1"
HS Code	9025.80.40

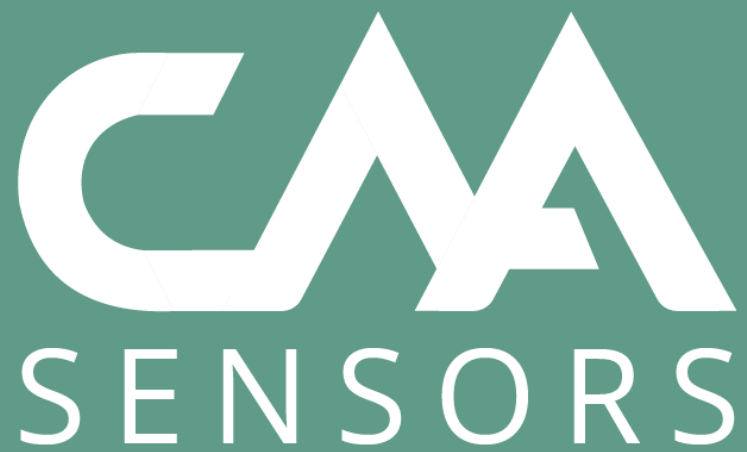
# Dimensions



# How to Order

Find a Distributor: [www.caasensors.com/distributors](http://www.caasensors.com/distributors)





CAA Sensors Pty Ltd

Head Office: Sydney, Australia

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