

# Dew Point Sensor – Mini

Ideal for Refrigerant Dryers or Desiccant Dryers set as low as -40°C

## Features:

- Three output signals – Pressure Dew Point, Relative Humidity and Temperature (when connected via Modbus)
- Two range options
- Two output options – Modbus and 4-20mA
- Fast response time
- Compact design
- Aluminium or Stainless Steel Casing
- Includes Measuring Chamber and 2m or 5m Cable
- Multiple Gas options
- Up to 4 Mpa (600psi)
- Accuracy +/- 2°C
- IP65 rated



Stainless Steel Casing

Aluminium Casing

This compact dew point sensor is perfectly suited for compressed air and inert gas systems using refrigerant or desiccant dryers up to 4 Mpa (600psi). With its precision polymer technology and strong contamination resistance, sensor calibration can be performed every 2 years<sup>1</sup>. The fast response time ensures an accurate and up to date reading, giving you peace of mind that your system is under control.

<sup>1</sup>Provided sensor not exposed to relative humidity above 85%

## Benefits of dew point monitoring:

- Improves system reliability
- Reduces product contamination risks
- Reduces system maintenance
- Reduces operating and energy costs
- Reduces risk of rust and corrosion build up
- Improves dryer reliability
- Improves filter life and performance
- Reduces risk of bacteria, fungus and yeast build up
- Alerts you to changes in dryer performance before moisture appears in your plant
- Measuring chamber improves sensor response time and ease of installation



## Modbus settings:

Default Modbus RTU (RS485) Settings					
Address	Baud Rate	Frame / Parity / Stop Bit	Response Time	Response Delay	Frame Spacing
1	9600	8 / N / 1	1 Sec	0 Milliseconds	7 Characters

Modbus Registers						
Holding Register	Address	Data Type	Byte Length	Description	Unit	Read/Write
1	0	FLOAT	4	Temperature	°C or °F	Read
3	2	FLOAT	4	Relative Humidity	%RH	Read
5	4	FLOAT	4	Pressure Dew Point	°Ctd or °Ftd	Read

## Wiring:

