



# User Manual

## Dew Point Sensor - A Series

Model: DEA



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# Notices

Please read this manual in full and carefully observe the notes and instructions before and during installation, operation and maintenance. The manufacturer cannot be held liable for any damage which occurs as a result of noncompliance with this manual.

**Do not tamper with device.** Should the device be tampered with in any manner other than a procedure which is described and specified in this manual, the warranty is cancelled and the manufacturer is exempt from liability.

**The product is designed exclusively for the described application.** Use of this product in conditions not specified in this manual or, contrary to the instructions provided by the manufacturer, is considered improper handling of the product and will void your warranty. The manufacturer will not be held liable for any damages resulting from improper use of the product.

This manual should be read carefully by relevant personnel and the end user. This manual should be kept with the product and be made available as needed. **Once you install or use the product, you accept that you have read, understood and complied with this manual.**

Compressed Air Alliance endeavours to make the content of this manual correct, but is not responsible for omissions or errors and the consequences caused. In case of any doubts or questions regarding this manual or the product, please contact Compressed Air Alliance.



## Warnings

**Ignoring the warnings can lead to serious injury and/or cause damage!**

When handling, operating or carrying out maintenance on this product, personnel must employ safe working practices and observe all local health & safety requirements and regulations.

Improper operation or maintenance of this product could be dangerous and result in an accident causing damage to machinery or injury or death.

The manufacturer cannot anticipate every possible circumstance which may represent a potential hazard. The warnings in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer they must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

**NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES.**



## Compressed Air Safety

Any contact with quickly escaping air or bursting parts of the compressed air system can lead to serious injuries or even death.

- Do not exceed the maximum permitted pressure.
- Only use pressure rated installation materials and parts.
- Avoid getting hit by escaping air or bursting parts.
- The system must be pressure-less during maintenance work.



## Electrical Safety

Any contact with energised parts of the product, may lead to an electrical shock which can lead to serious injuries or even death. The user shall take all measures necessary to protect against electrical shock.

Consider all regulations for electrical installations.

The system must be disconnected from any power supply during maintenance work.

Any electrical work on the system is only allowed by authorised qualified personal.

## Storage and transportation

- Please make sure that the storage and transportation temperature of the sensor is between -40°C to +80°C (-40°F to +176°F) and the humidity is <90%, no condensation.
- Avoid direct UV and solar radiation during storage.

## Cleaning

If you need to clean the sensor it is recommended to use a clean, dry cloth. For stubborn marks, use distilled water or isopropyl alcohol only.

Please note: contamination on the sensor tip will affect calibration and accuracy of the sensor. Removal of the contamination may not fix the issue.

## Disposal

Electronic devices are recyclable material and do not belong in the household waste. The product, accessories and its packing material must be disposed according to local statutory requirements.

# About Dew Point Sensors

Dew Point Sensors are the simplest way to monitor dryer performance and detect moisture issues before they can cause a problem.

Moisture in the gas systems can clog pipes, break machinery, cause contamination (eg rust, mildew, bacteria) or cause freezing.

Compressed Air Alliance's dew point sensors are designed for measuring pressure dew point, gas temperature, relative humidity and pressure (optional) in manufacturing, industrial and base building environments.

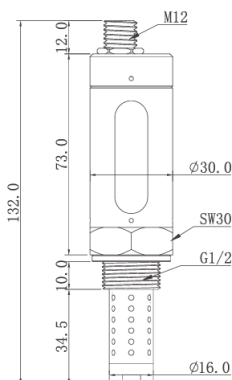
Dew point sensors are cheap, easy to install and have low maintenance requirements.

## Benefits of monitoring dew point

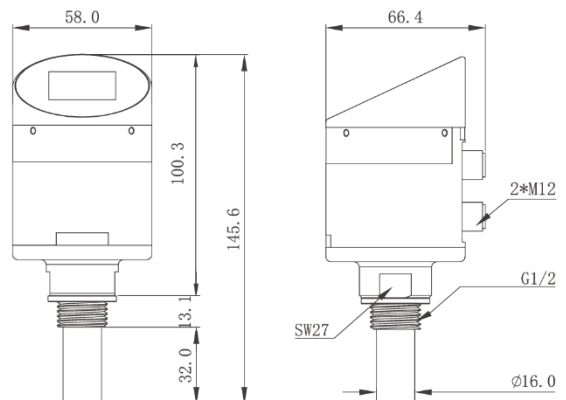
- Improve system reliability
- Reduce product contamination risks
- Reduce system maintenance
- Reduce operating and energy costs
- Reduce the risk of rust and corrosion build up
- Improve dryer reliability
- Improve filter life and performance
- Reduce the risk of bacteria, fungus and yeast build up
- Alerts you to changes in dryer performance before moisture appears in your plant
- Easy to install and low maintenance
- Suitable for temporary or permanent installations.

## Dew Point Sensor Dimensions (mm)



### Standard Dew Point Sensor





### Dew Point Sensor with Display



# Specifications – A Series

	A Series - Standard	A Series - with Display
		
Technology	Alumina-Oxide	
System	Compressed air and gas systems up to 4 Mpa (600psi)	
Dryer Type	Refrigerant, Desiccant, Drum or Membrane dryers	
Gases	Air, Argon, Carbon Dioxide, Carbon Monoxide, Helium, Hydrogen, Nitrogen, Oxygen	
Accuracy	Dew Point (+20 to -80°C): ±2°C Dew Point (-80 to -100°C): ±3°C Temperature: ±0.5°C Pressure: ±0.3% FS (at 23°C) <i>The accuracy of the sensor is affected by on-site conditions. Contaminants such as oil, high humidity or other impurities can affect the calibration and accuracy of the sensor.</i>	
Minimum gas flow	> 1 L/min	
	Measurement Ranges	
Dew Point Measurement	-80°C to +20°C   -112°F to 68°F -100°C to +20°C   -148°F to +68°F	
Pressure Measurement	0 to 50 bar (725 psi) <b>or</b> 0 to 17 bar (247 psi) if using the integrated pressure sensor	
Gas Temperature Measurement	-40°C to +100°C   -40°F to +212°F	
	Outputs	
Output	Analogue: 4 to 20mA (3 wire) Digital: RS485 Modbus / RTU	
Modbus Output Signals	Pressure Dew Point (PDP), Relative Humidity (RH), Temperature (°C or °F) <b>Optional</b> pressure	

	A Series - Standard	A Series - with Display
		
Analogue Output Signals	Pressure Dew Point (PDP) only	
Relay output	NA	Normally open 32vDC / 500 mA
	Power	
Power Supply	10 to 30 VDC Max 50 mA @ 24 V + 4-20mA Current output	16 to 30 VDC Max 150 mA @ 24 V + 4-20mA Current output
4-20 mA Current Output	<ul style="list-style-type: none"> <li>• Resolution</li> <li>• Temperature Drift</li> <li>• Load</li> </ul>	
Electrical Connection	1 x 5 pin M12, female	2 x 5 pin M12, female
EMC	Meets IEC 61326-1	
	Other Information	
Inbuilt Display	NA	1.5" LCD Touch screen
Process Connection	G1/2" thread (Contact us for UNF process connection)	
Measurement Chamber	1/2" Quick coupling (Nitto type) with Adjustable Bleed Screw	
Ambient Temperature	-30°C to +70°C   -22°F to +158°F	
Gas Relative Humidity	0 to 95% RH	
Dimensions	135 mm L x 35 mm W 5.3" L x 1.4" W	148 mm L x 67 mm W 5.8" L x 2.6" W
Casing	Stainless Steel	Anodised Aluminium
IP Rating	IP65	
Installation Type	Permanent or temporary installation	
Calibration Frequency	Every 2 years <i>provided the sensor is not exposed to relative humidity above 85%</i>	

# Dew Point Sensor Pack

Each dew point sensor comes with:

- ✓ Dew Point sensor – either standard A Series sensor **or** A Series with Display
- ✓ Measurement Chamber with mounting bracket
  - Standard option = 1/2" Quick coupling (Nitto type) with Adjustable Silencer
  - Talk to you local dealer about other options
- ✓ Connector – either 5 meter cable with connector **or** connector only (no cable).

## Dew Point Sensor



Standard Dew Point Sensor

**OR**



Dew Point Sensor with Display

## Measurement Chamber and Mounting Bracket



Measurement Chamber

**AND**



Mounting bracket

## Connector



M12 connector only  
(no cable)

**OR**



5 meter cable with M12 connector



# Installation Overview

Compressed Air Alliance recommends that our dew point sensors are installed via a measurement chamber.

**Step 1** – Find a suitable section of pipe

- The sensor must be installed vertically, on dry side of system
- Do **NOT** install the sensor before a dryer or in gases with a relative humidity above 80%
- Do **NOT** install the sensor upside down, horizontally, at an angle or in wet gas

**Step 2** – Install connection point in pipe, eg a ball valve, nozzle or nipple

**Step 3** – Attach Dew Point Sensor to connection point

**Step 4** – Set the gas bleed

**Step 5** – Wire the sensor (see '*Installation – Electrical*')

**Step 6** – Check the sensor settings

**Step 7 (optional)** – Connect the sensor to your SCADA or energy management system

**Step 8** – Fill out the Commissioning Report (last page of this manual)

## Tools and Equipment needed for installation

(not included with Dew Point Sensor Pack)



Wrench /  
Spanner



Thread Tape /  
Sealant



Ball Valve  
(optional)



Hot Tap Kit  
(optional)

# Installation – Mechanical

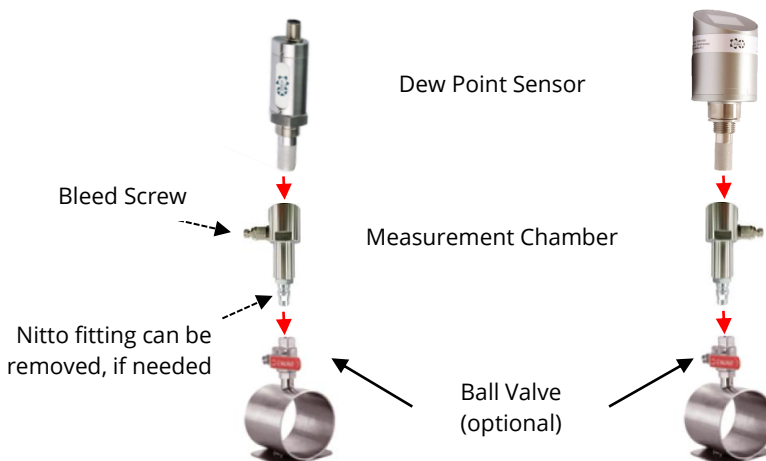


**WARNING!** Incorrect installation can damage the sensor or cause it to work incorrectly.



## Notes

- **Before installing the sensor, make sure it is rated for your system** (refer to the “Specifications” section).
  - Use of the product outside specified ranges or operating parameters can lead to malfunctions and may damage the product or system.
- Do not use this product in explosive areas.
- Always use a spanner / wrench to install the product.
- Only use pressure rated materials and parts when installing and maintaining the product.
- Do not disassemble the product.
- Please observe local and national regulations before/during installation and operation.
- The product must be installed properly and calibrated regularly, otherwise it may lead to inaccurate measurement values.

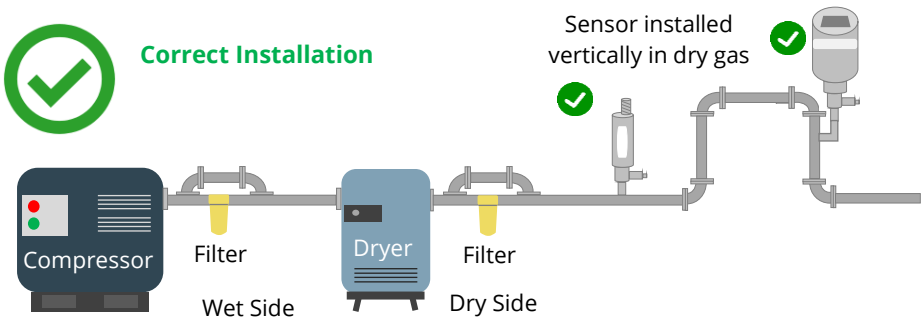


## Step 1 – Find a suitable section of pipe

The sensor **must be installed vertically in dry gas** (gas humidity should be less than 80% relative humidity (RH)).

Make sure the sensor location has enough room above the pipe to install the sensor.

If installing the sensor outdoors, protection from sun and rain is necessary.

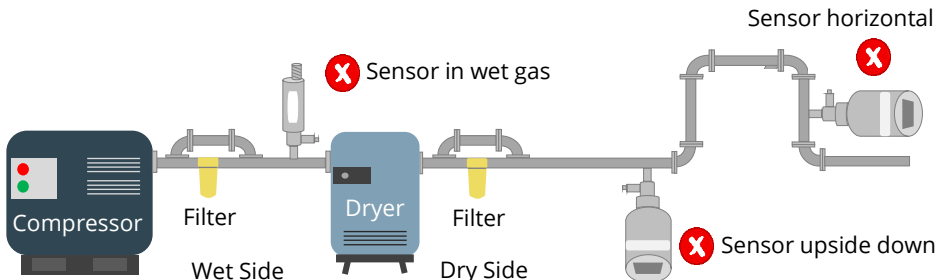


## **Incorrect Installation**

Do **NOT** install the sensor before a dryer or in gases with a relative humidity above 80%.

Do **NOT** install the sensor upside down, horizontally or at an angle, as shown below.

Do **NOT** let condensate reach the tip of the sensor



## Step 2 – Install connection point in pipe

To install the sensor, you need a connection point to the pipe, eg a ball valve or a nozzle or nipple. The thread must be G 1/2".

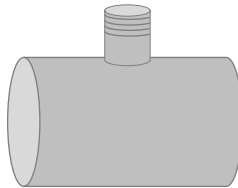
Use of a ball valve is optional - You do not need to use a valve to install the sensor. However, using a valve will make removing the sensor easier (eg when you need to remove the sensor for calibration).

If installing a ball valve, you can use a hot tap drill and clamp to create a connection point on pressurized or unpressurized pipes. See the Compressed Air Alliance website for information on hot tap drills and clamps.



Ball Valve

**OR**



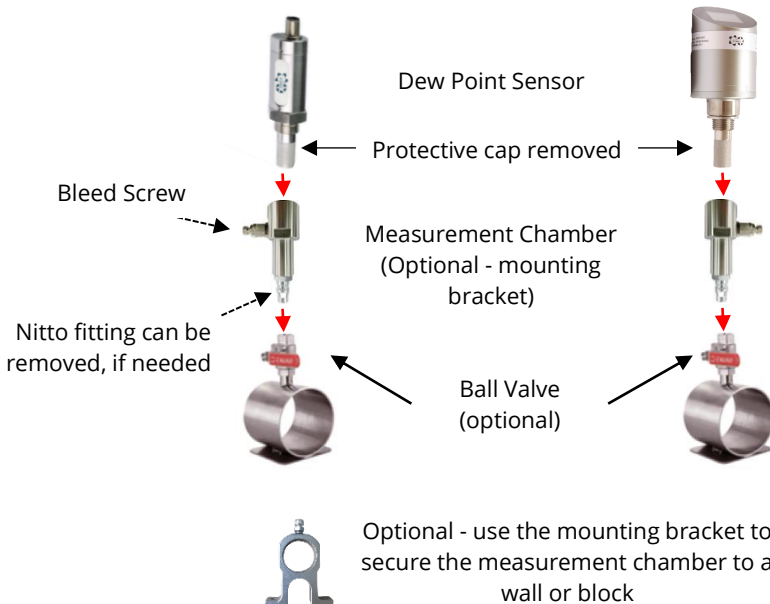
Welded nipple on pipe

## Step 3 – Attach dew point sensor to connection point

The dew point sensor's measurement chamber comes with a nitto fitting. This can be removed and the chamber connected directly to a valve with a male BSP fitting, if required.



- Remove (unscrew) the protective cap from the dew point sensor
- Screw the sensor into the measurement chamber
- Screw the measurement chamber into the connection point (eg valve, nipple or nozzle) and tighten with a spanner
  - Compressed Air Alliance recommends that our dew point sensors are installed via a measurement chamber
  - A reducing bush may be needed if connecting the measurement chamber to a large ball valve or nipple
  - Fix measurement chamber firmly to prevent loosening or shaking
  - Use thread tap or sealant to prevent gas escaping
  - If needed, you can use the mounting bracket to secure the measurement chamber to a wall or block
- Open the valve



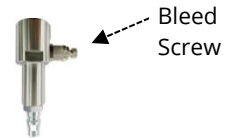
## Step 4 – Set the Gas Bleed

To ensure a flow of gas past the sensor tip, either allow a small amount of gas to escape to atmosphere (option 1 below) or connect a zero loss chamber (option 2 below).

### Option 1 – Bleed gas to air

On the measurement chamber:

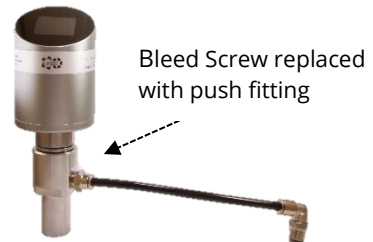
- Close the bleed screw completely.
- Then slowly open the bleed screw to allow a small flow of gas to escape to the atmosphere.



### Option 2 – Zero Loss Chamber

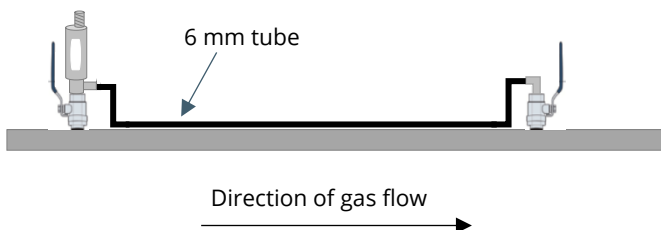
The zero loss chamber will prevent gas escaping to atmosphere and can improve system efficiency.

- Remove the bleed screw and fitting from measurement chamber
- Install a 1/4" to 6mm push fit into measurement chamber
- Connect a 6 mm tube between the measurement chamber and a second connection point downstream of the sensor.



Tip - use cable ties to secure the 6 mm tube to the pipe.

### Zero Loss Chamber set up



# Installation – Electrical



**WARNING!** Incorrect wiring can damage the sensor or cause it to work incorrectly.

## Notes:

- Do **not** screw the M12 connector using force, otherwise it may damage the connection pins.
- Always check the M12 connectors to make sure they are wired correctly.
- Consider all local and national safety requirements and regulations for electrical installations.
- **The system must be disconnected from any power supply during installation and maintenance work.**
- Any electrical work on the system is only allowed by authorised and qualified personal.

## 4-20mA Scaling

The sensor has an analog output range of 4 to 20 mA, which is a 3-wire active analog output. The analog output scaling is:

**-80 to +20 °C (-112 to +68°F) range**

- 4 mA = -80°C (-112°F)
- 20 mA = +20°C (+68°F)

**-100 to +20°C (-148 to +68°F) range**

- 4 mA = -100°C (-148°F)
- 20 mA = +20°C (+68°F)

The analog output can be set to correspond to temperature, dew point, or humidity.

## Wiring - Standard Dew Point Sensor

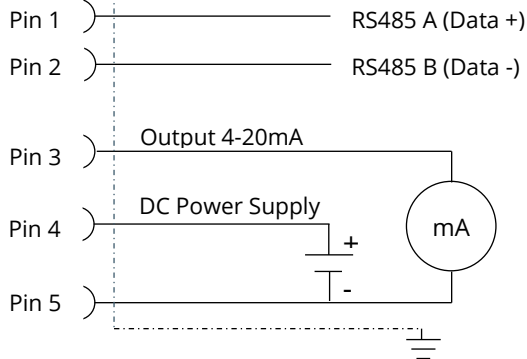
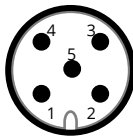
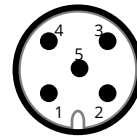
The standard Dew Point Sensor has one 5 pin, M12 connector on top of the sensor.

If you ordered a cable with the sensor, the cables will be coloured coded as shown in the table below. Its good practice to check the cable colours and make sure they match the chart below.

M12 Connector plug



Connector		Cable Colour
Pin 1	RS845, Data + (A)	Brown
Pin 2	RS845, Data - (B)	White
Pin 3	4-20mA Output	Blue
Pin 4	+12-30 vDC	Black
Pin 5	0 vDC (Ground for Modbus)	Grey



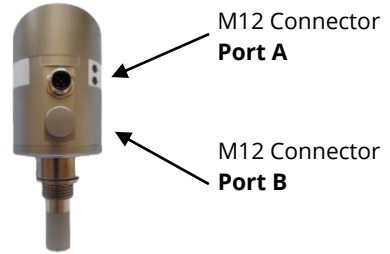


## Wiring - Dew Point Sensor with Display

The Dew Point Sensor with Display has two 5 pin, M12 connectors on the back of the sensor.

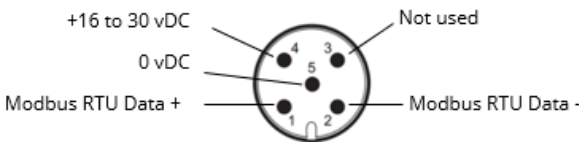
- **Port A** is used for Modbus and Power
- **Port B** is used for 4-20mA and Alarm Relay

If you ordered a cable with the sensor, the cables will be coloured coded as shown in the table below. Its good practice to check the cable colours and make sure they match the chart below.

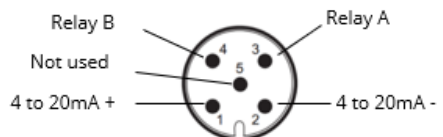


	Port A (Modbus & Power)	Cable Colour	Port B (4-20mA & Alarm Relay)
Pin 1	RS845, Data + (A)	Brown	4-20mA+
Pin 2	RS845, Data - (B)	White	4-20mA-
Pin 3	NA	Blue	Relay A
Pin 4	+16 to 30 vDC	Black	Relay B
Pin 5	0 vDC (Ground for Modbus)	Grey	NA

### Port A (Modbus & Power)



### Port B (4-20 mA & Relay)



## Alarm Relay Output for Dew Point Sensor with Display

The Dew Point Sensor with Display has a relay output which can monitor dew point. For example, when the dew point reaches a set value, the sensor will issue an alarm.

Alarm relay specifications:

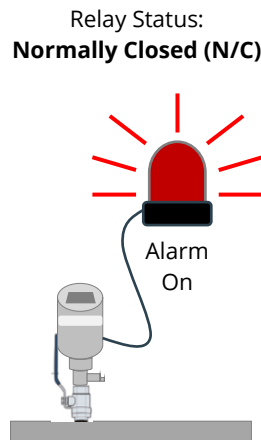
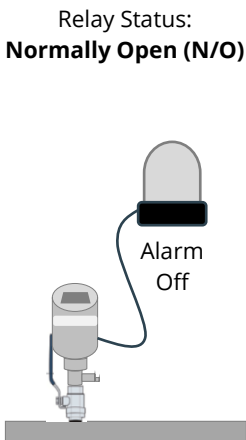
- Maximum: 32 VDC / 500 mA
- Power switch status: Normally open (N/O)



M12 Connector  
**Port B**  
Used Alarm Relay  
and 4-20mA

### Relay States

	Relay Status	Alarm Status
Dew Point Sensor powered off	Normally open (N/O)	Alarm Off
Dew Point Sensor powered on and the alarm valve is <b>not</b> reached.	Normally open (N/O)	Alarm Off
Dew Point Sensor powered on <b>and</b> the alarm valve is reached.	Normally closed (N/C)	Alarm Activated



# Communication Settings

## Default Modbus Settings

All dew point sensors use the following default Modbus settings. Settings can be changed to suit system requirements using the Service Software (contact Compressed Air Alliance for more information) or the display (if fitted).

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

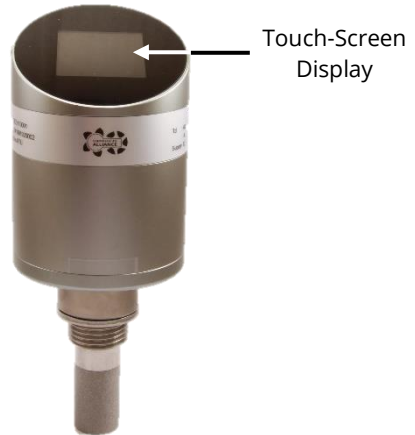
Optional integrated pressure sensor						
21	20	FLOAT	4	Absolute Pressure	KPa, Mpa, Bar, PSI	Read
42	41	FLOAT	4	Gauge Pressure	KPa, Mpa, Bar, PSI	Read

# Using the Display

## Dew Point Sensor with Display

If you purchased the Dew Point Sensor with Display, you can view or edit the following dew point settings:

- ✓ Gas type
- ✓ Units of measurement
- ✓ Modbus / RS485 settings
- ✓ Analog / 4-20mA settings
- ✓ Alarm (Relay) settings
- ✓ Which measurements are displayed on the touch-screen
- ✓ Language
- ✓ Screen Timeout
- ✓ Screen Brightness



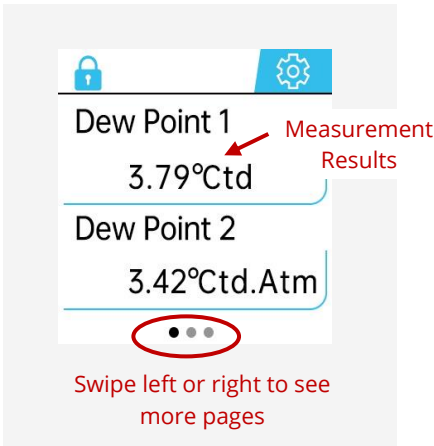
## Standard Dew Point Sensor

The standard dew point sensor does **not** come with an in-built display.

If you need to change dew point settings, you will need to use our Service Software. Contact Compressed Air Alliance for more information.



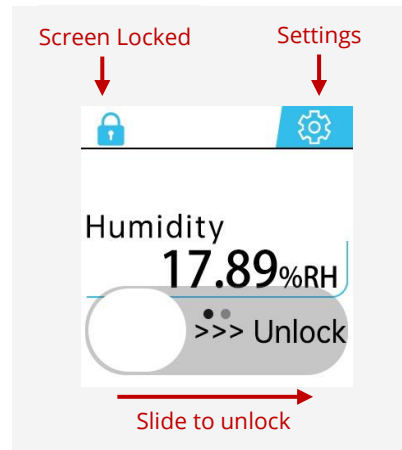
## Home Screen



**Measurement results** are shown in the middle of the screen.

The **dots at the bottom of the screen** ( ••• ) show you how many pages there are. Swipe left or right to see more results.

## Unlocking the Screen

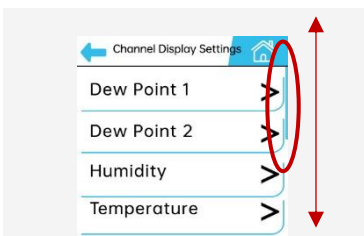


The screen automatically locks when not in use. The **lock** (🔒) at the top left of the screen means the screen is locked.

You can unlock the screen by sliding the dot to the right.

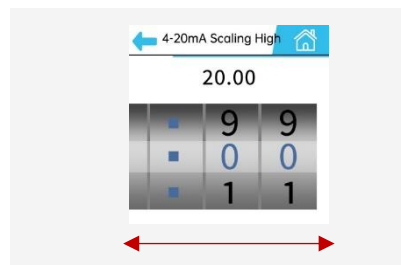
## Navigation

For screens with **lists**, you may need to scroll up or down to see the full list of options (see picture below).



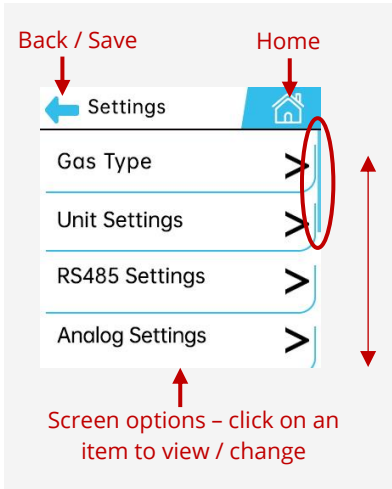
Slide up or down to see more options

For screens with **dials**, you may need to scroll left and right to full range of options (see picture below).





Slide left and right to see more options

## Settings



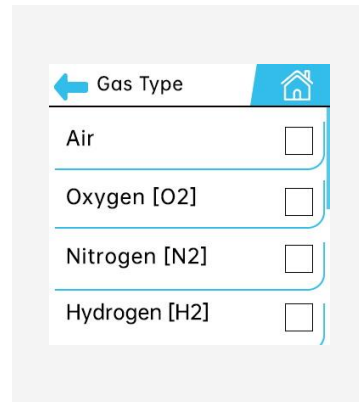
Your dew point sensor will come pre-configured. If you want to view or change the settings:

- Unlock the screen
- click on the Settings Menu icon (  ) on the home page.
- Scroll through the list to find the setting you want to view / edit
- Click on the setting, make the relevant changes then click the back arrow (  ) to save your changes and return to the previous screen.

**Note:** Changes will be saved as soon as you press the back arrow.

**Note:** Advanced settings are password protected. If you need to access advanced setting, contact Compressed Air Alliance.



## Gas Type



You can select from the following gas types:

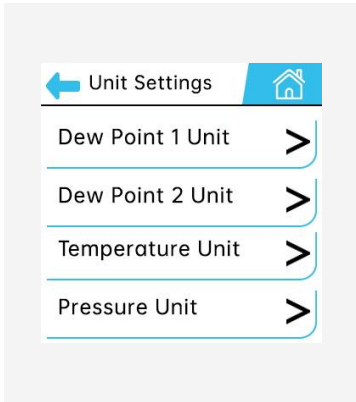
- ✓ Air
- ✓ Argon (Ar)
- ✓ Carbon dioxide (CO<sub>2</sub>)
- ✓ Carbon monoxide (CO)
- ✓ Helium (He)
- ✓ Hydrogen (H<sub>2</sub>)
- ✓ Natural Gas
- ✓ Nitrogen (N<sub>2</sub>)
- ✓ Nitrous oxide (N<sub>2</sub>O)
- ✓ Oxygen

To change the Gas type:

- go to **Settings** (  ) > **Gas Type**.
- Select the desired gas type
  - Scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.

The flow meter is calibrated in air. If you select another gas type, the flow meter will automatically adjust its readings to match the gas selected.



## Unit of Measurement



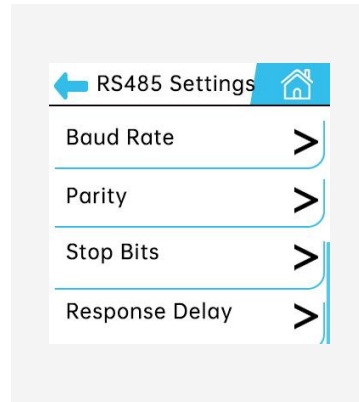
You can change the units of measurement for Dew Point (Dew Point 1 and 2, Temperature and Pressure.

Measure	Units
Dew Point 1	°Ctd, mg/m <sup>3</sup> , g/kg, g/m <sup>3</sup> , PPM(w), PPM(v), kj/kg,
Dew Point 2	As above, plus °Ctd.Atm
Temperature	°C, °F
Pressure	hPa, kPa, Mpa, mbar, bar, PSI

To change the Unit of Measurements:

- go to **Settings** (  ) > **Unit Settings**
- Select the desired unit of measure
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.

## Modbus / RS485 Settings





In the RS485 menu, you can set / change the modbus settings.

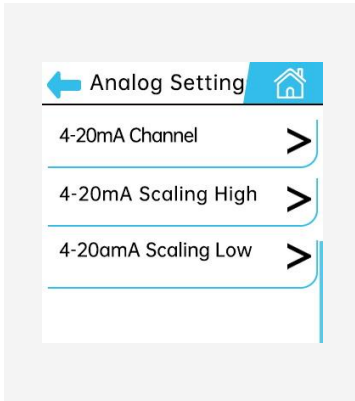
Default Modbus settings are:

- ✓ Baud Rate: 9600
- ✓ Parity: None
- ✓ Stop Bit: 1
- ✓ Response Delay: 0
- ✓ Device Address: 1

To change the Modbus settings:

- go to **Settings** (  ) > **RS485 Settings**.
- Press the setting you want to change
- Select the desired setting.
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.

## Analogue / 4-20mA Settings





In the Analog menu, you can:

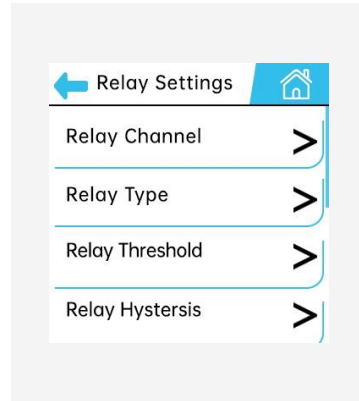
- ✓ select which measurement is transmitted via 4-20mA
- ✓ set the 4-20mA scaling.

**Note:** Only one measurement can be transmitted via the analog setting

To change the 4-20mA settings:



- go to **Settings** (  ) > **Analog Settings**.
- Press the setting you want to change
- Select the desired setting.
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.

## Relay Settings



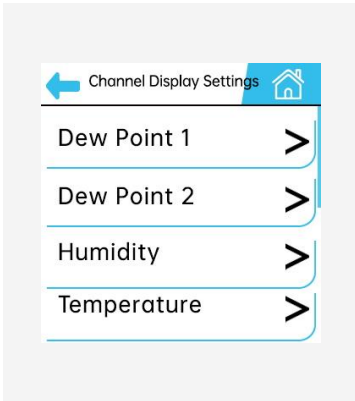
You can set an Alarm Relay for one of the measurements.

To change the Relay settings:

- go to **Settings** (  ) > **Relay Settings**.
- Press the setting you want to change
- Select the desired setting.
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.





## Channel Display

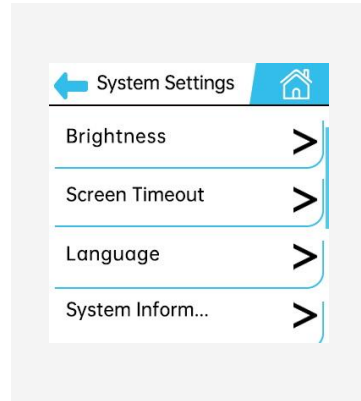


You can select which channels / measurements you want displayed on the home pages of the Dew Point monitor.

To change the Channel Display settings:

- go to **Settings** (  ) **Display Settings**.
- Press the setting you want to change
- Select the desired setting.
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.



## System Settings



In system settings, you can:

- ✓ Change the **Screen Brightness**
- ✓ Change the **Screen timeout** from 15 seconds to 10 minutes
- ✓ Change the **Language** from English to Chinese
- ✓ See the system information, eg hardware and software version numbers, serial number, number to times the sensors has been powered on

To change the Display settings:

- go to **Settings** (  ) > **Channel System Settings**.
- Press the settings you want to change / view
  - You might need to scroll up or down to see all options
- Press the arrow (  ) to save your setting and return to the previous screen.

# Warranty

Compressed Air Alliance provides a 12-month warranty for all sensors. The warranty covers materials and workmanship under the stated operating conditions from the date of delivery. Please report any findings immediately and within the warranty time.

If faults occur during the warranty period Compressed Air Alliance will repair or replace the defective unit, without charge for repair labour and material costs but there is a charge for other services such as labour to remove or reinstall the instrument, transport and packing. Warranty repairs do not extend the period of warranty.

The following damage is excluded from this warranty:

- Improper use and non-adherence to the user manual.
- Use of unsuitable accessories.
- External influences (e.g. damage caused by vibration, damage during transportation, excess heat or moisture).

The warranty is cancelled when one of the following situations occurs:

- The user opens the measurement instrument

without a direct request written in this manual.

- Repairs or modifications are undertaken by third parties or unauthorised persons.
- The serial number has been changed, damaged or removed.

Other claims, especially damage occurring on the outside of the instrument (eg dents, marks), are not included unless responsibility is legally binding.

# Calibration

The sensor is calibrated before delivery. The calibration date is printed on the certificate which is shipped with the sensor.

Dew Point Sensors require calibration to remain accurate. The frequency of calibration depends greatly on the level of contamination within your system.

We recommend you calibrate the sensor every 2 years (provided the sensor is not exposed to relative humidity above 85%). Calibration is excluded from the product warranty. For more information, contact Compressed Air Alliance.

# Trouble Shooting

## My sensor isn't reading correctly


If your sensor is not reading the correct values, follow these steps.


1. Make sure the sensor is suitable for your system. Refer to the "*Specifications*" section for details.
2. Make sure the sensor is calibrated. Sensors should be calibrated every 2 years. Contact your local dealer or Compressed Air Alliance for calibration. Make sure the sensor is installed correctly. Refer to "*Installation - Mechanical*" section for more information. The sensor should be installed vertically. **Typical mechanical installation errors include:**
  - ✘ Installing sensor upside down or at an angle
  - ✘ Installing sensor in wet air
  - ✘ Gas is not reaching the sensor tip
3. Make sure the sensor is wired correctly. Refer to "*Installation – Electrical*" section for more information.
4. Check Modbus Settings. Refer to "*Communication Settings*" section for more information.
5. If you have the Dew Point with Sensor with Display, check the sensor settings are correct.
  - If you have the standard Dew Point Sensor (with no display) and you need to change the dew point settings, contact Compressed Air Alliance.
6. Check dryer is functioning correctly
7. Check condensate drains are functioning correctly
8. Is your associated equipment compatible with the dew point sensor output?

If you are still having problems, contact your local dealer or Compressed Air Alliance.

## My sensor is in the wrong language

### Step 1 – Unlock Screen and go to Settings

If the lock screen symbol (  ) is present, you will need to unlock the screen.

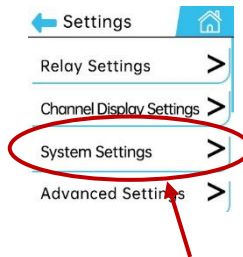
Click on the Settings icon (  ) on the top right of the home page



### Step 2 – Go to System Settings

Scroll to the bottom of the settings screen.

Press the “System Setting” option – **2nd option from bottom**



**2nd** menu option from **bottom** of page  
You may need to scroll down to find this setting

### Step 3 – Go to Language Settings

Press “Language” menu option – **2nd menu from bottom**



**2nd** menu option from **bottom** of page

### Step 4 – Select desired language

Select the desired language

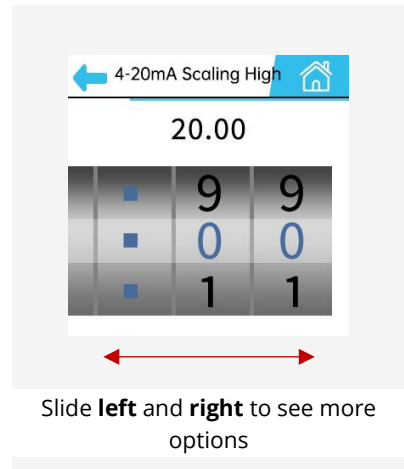
Press the arrow button ( ← ) to save your selection and return to the previous screen



### I can't see all menu items

On some menus, you will need to scroll up and down to see all items. This is indicated by a scroll bar on the right side of the screen (see picture below, left).

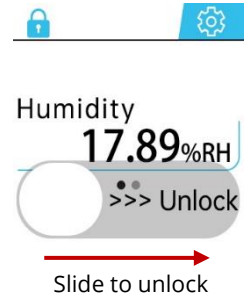
If the screen has a dial, you will need to scroll left and right to see all options (see picture on below, right).



## The touch screen doesn't work

If the touch screen doesn't work, try the following:

- Clean the screen
- Make sure the Screen Lock is off
  - The screen automatically locks when not in use. The **lock symbol** (🔒) at the top left of the screen means the screen is locked.
  - You can unlock the screen by sliding the dot to the right.
- Use the fleshy part of your finger to touch the screen.
  - The touch screen **does not** work if you use finger nails or pens.
- Try pressing harder, or softer.



## Need help?

Contact your local dealer.

Alternatively, contact Compressed Air Alliance via:

- Phone (Australia): 1300 558 526
- E-mail: [sales@compressedairalliance.com](mailto:sales@compressedairalliance.com)
- Website: [www.compressedairalliance.com](http://www.compressedairalliance.com)

# Commissioning Report

## About the Sensor

<b>Part Number</b> (eg DEA122001)			
<b>Serial Number</b>			
<b>Installed by</b>		<b>Installed Date</b>	

## About the Compressed Air System

<b>Dryer Type (select one)</b>	Refrigerant	Desiccant	Membrane	Other
<b>Dew Point Sensor Reading</b>				

## Installation

Step	Task	Yes	NA	No	Comments	Sign
1	Is the Dew Point Sensor installed correctly? (refer to "Installation - Mechanical")					
2	Is the Dew Point Sensor wired correctly? (refer to "Installation - Electrical")					
3	Dew Point sensor attached to pipe?					
4	Modbus and 4-20mA settings checked?					
5	Are the dryer and condensate drains working correctly?					



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