



# Direct Mounting System

While dewpoint transmitters can be installed directly into a compressed air line, it is not normally recommended due to maintenance and filtration issues. This mounting system provides a simple and easy to maintain solution for dewpoint transmitters in compressed air or pressurised gas systems. It provides isolation, filtration and a choice of measurement at either line pressure or atmospheric pressure.

## Key Features:

- Suitable for compressed air systems
- Line pressure or atmospheric pressure dewpoint
- Integral filter
- Compact and efficient



## /// Dew point or humidity sensor mounting

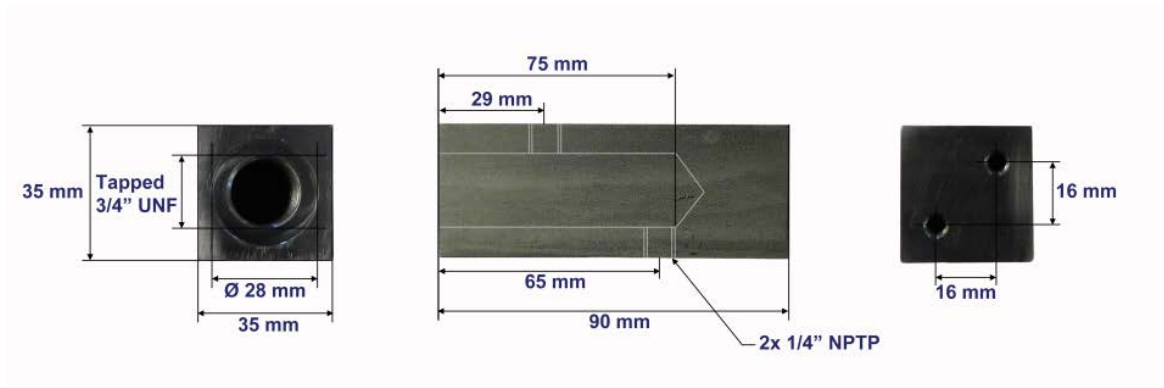
When monitoring the moisture content of compressed air or process gases, it is often necessary to mount the sensor in a holder that allows gas to pass through the cell and be measured by the sensor. IMA provides a sensor holder suitable for a variety of different dew point and humidity sensors, as well as a direct mount system (DMS) designed for easy installation of sensors on high pressure compressed air systems.

## /// Probe Holder



This stainless steel flow cell can be used with a variety of sensors.

- ¼" NPT inlet and outlet ports
- ¾" UNF sensor port
- 316 stainless steel
- 3.1b material certification available
- 30 Bar max pressure



### Order codes

PH		316 stainless steel sensor holder
	1	¾" UNF sensor port
	9	Other please specify
	1	¼" NPT inlet and outlet ports
	9	Other please specify



## /// DMS 1 for atmospheric dew point measurement

This simple to install system allows direct mounting of the measurement system onto a compressed air line or vessel. In this configuration, a precision orifice is mounted at the inlet of the flow cell. The orifice drops the inlet pressure to cell to close to atmospheric pressure, allowing dewpoint to be monitored at atmospheric pressure.

- Stainless steel construction
- Isolation valve
- Swagelok fittings
- Includes 10 micron filter
- Maximum pressure 10 BarG

When monitoring compressed air dryers, the DMS should be mounted as close to the dryer outlet as possible in any orientation.

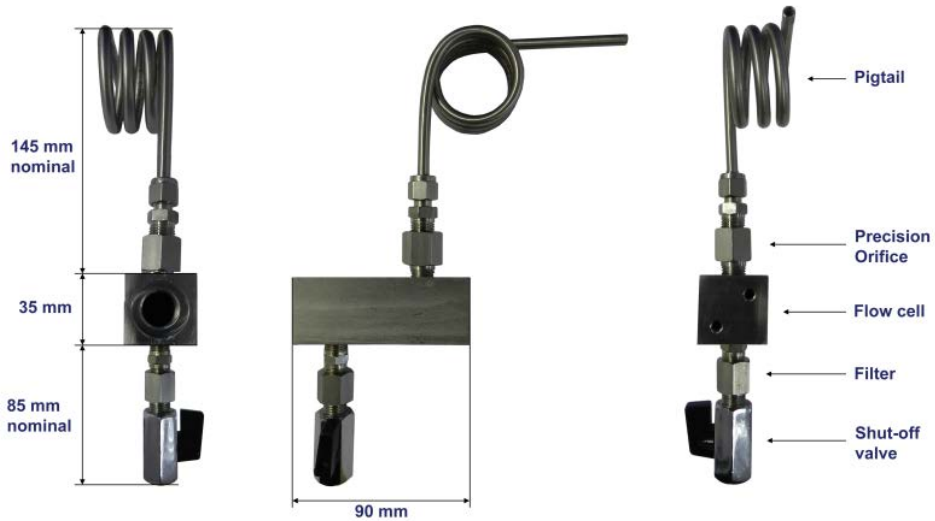
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## /// DMS 2 for line pressure dew point measurement

For applications where a pressure dew point measurement is preferred, the orifice is mounted on the outlet of the sensor holder. This provides a simple and cost effective method of monitoring pressure dewpoint. The sensor is protected by a 10 micron filter and may be easily removed for servicing by isolating the sensor with the shut-off valve.

- Stainless steel construction
- Isolation valve
- Swagelok fittings
- Includes 10 micron filter
- Maximum pressure 10 BarG





### Order codes

DMS	Direct mount system for dew point and humidity sensors
1	Inlet orifice for atmospheric dew point measurements
2	Outlet orifice for pressure dew point measurements
1	Thread sealant - PTFE tape
2	Thread sealant - liquid thread sealant

### NOTE:

It is important to check flow rate regularly. The filter and orifice may be cleaned using solvent and ultrasonic bath.

Care should be taken to avoid condensation on the sensor. Open valve slowly with pressure dew point measurements during start-up.