

portable dew point monitor



a self contained portable dew point monitor with integrated filtration and flow control

The nano PDM portable dew point monitor is a reliable and cost effective self contained system for measuring dew point or moisture content in compressed air and gases. Compact, lightweight and easy to use, this system provides accurate, stable dew point or moisture measurements where and when you need it.

With a range of -148 to +68°F (or 3000 ppmv), the ceramic hygrometer probe responds rapidly to changes in moisture content, displaying it on the LED display and transmitting it remotely via a 4 to 20 mA signal. Completely self contained within a rugged polycarbonate NEMA 4X enclosure, the monitor is fully portable - or can be easily wall mounted for permanent installations.

built for the needs of the compressed air & gas industry

The nano PDM includes quick connect inlet and outlet connections for easy installation, an integral 0.3 micron filter, a flow meter and two programmable alarm relays.

applications include:

troubleshooting

air audits

performance validation

system calibration

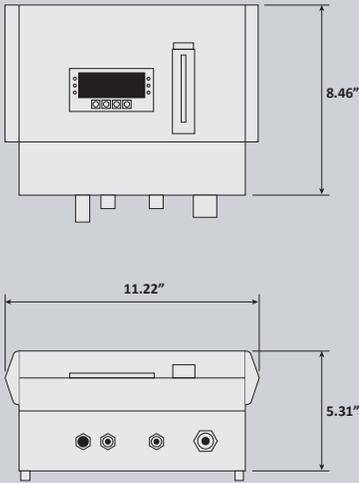
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technical specification

| specifications | |
|-----------------------------|---|
| standard measurement range | -148 to +68°F (-100 to +20°C) or 3000 ppmv ⁽¹⁾ |
| accuracy | ±3.6°F (±2°C) of dew point |
| operating temperature range | +23 to +122°F (-5 to +50°C) |
| storage temperature | -40 to +167°F (-40 to +75°C) |
| output | 4-20 mA (maximum load resistance 500 Ω) |
| alarm | 2 volt free contacts (3 A @ 240 V) |
| user interface | front panel configuration of alarm points |
| display | 4 digit ¾" (20 mm) red LED |
| power supply | 85 to 265 VAC, 50 or 60 Hz |
| ingress protection | NEMA 4X (IP65) |
| power cord | 6.5 ft (2 m) power cord provided |
| maximum pressure | 145 psig (1 MPa/10 barg) ⁽²⁾ |
| sample flow rate | 2.1 to 10.5 scfh (1-5 L/min) |
| filtration | 99.5% removal efficiency at 0.3 micron |
| connections | 6 mm OD quick connect tube fittings |
| sensor guard | sintered HDPE |
| protective case | polycarbonate |
| internal tubing | PTFE |
| warranty | 1 year |

(1) choice of dew point or ppmv must be specified at time of order. Non standard dew point ranges available on request

(2) higher pressure options available on request