

Easidew Transmitter

2-Wire Dew-Point Transmitter

The Easidew is a dew-point transmitter with a 5/8" process connection. It is designed for ease of use, incorporating all of the features needed to make installation and operation into your air or gas management system as simple as possible.

Michell's Advanced Ceramic Moisture Sensor technology based transmitter is calibrated to international standards and is delivered with a traceable calibration certificate.



Highlights

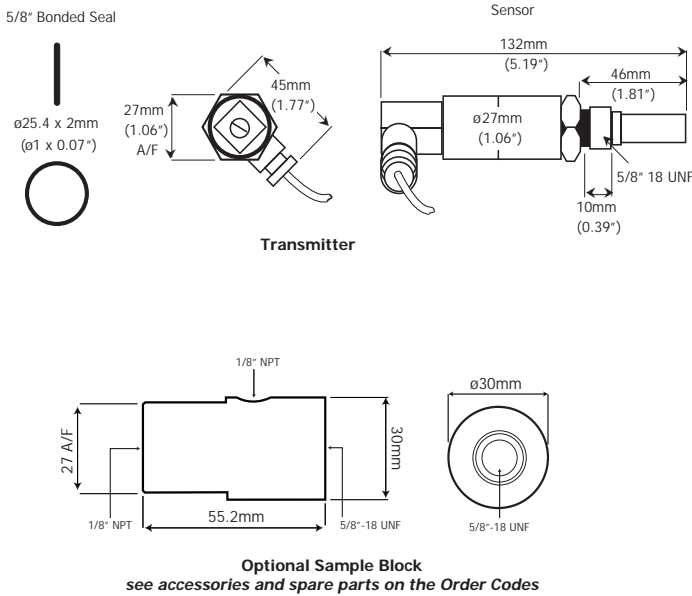
- 5/8" UNF process connection
- Dew point or ppm_v moisture content
- 2-wire loop powered connection
- Rugged 316 stainless steel IP66 construction
- Measurement range -100 to +20°C
- Accuracy ±2°Cdp
- Calibration Certificate (NPL, NIST)

Applications

- Moisture in Liquids
- Compressed air
- Medical Gas
- CNG Stations
- Trace Moisture

Easidew Transmitter

Dimensions



Electrical Connections

4-20 mA connections 2-wire	
Pin 1	4-20 mA
Pin 3	POWER

Technical Specifications

Performance									
Measurement range	-100 to +20°C dew point								
Accuracy	±2°C dew point								
Response time	5 mins to T95 (dry to wet)								
Repeatability	0.5°C dew point								
Calibration	Traceable 7-point calibration certificate								
Electrical Specifications									
Output signal	4-20 mA (2-wire connection, current source) User configurable over range								
Output	Dew point, moisture content for ppm _v								
Analog output scaled range	Dew point: -100 to +20°C Moisture content in gas: 0-3000 ppm _v Non-standard available upon request								
Supply voltage	12 to 28 V DC								
Load resistance	Max 250 Ω @ 12 V (500 Ω @ 24 V)								
Current consumption	20 mA max								
CE marked	Certified								
Operating Specifications									
Operating temperature	-40 to +60°C								
Compensated Temperature Range:	-20 to +50°C NOTE: The transmitter accuracy statement is only valid for the temperature range: -20/+50°C								
Storage Temperature:	-40 to +60°C								
Operating pressure	45 MPa (450 barg / 6500 psig) max								
Flow rate	1 to 5 NI/min mounted in standard sampling block; 0 to 10 m/sec direct insertion								
Mechanical Specifications									
Ingress protection	IP66 in accordance with standard BS EN 60529:1992 NEMA 4 in protection accordance with standard NEMA 250-2003								
Housing material	316 stainless steel								
Dimensions	L=132mm x ø45mm (with connector)								
Filter (sensor protection)	Standard: HDPE guard <10µm Optional: 316 stainless steel sintered guard <80µm								
Process connection and material	5/8" - 18 UNF 316 stainless steel								
Weight	150g								
Electrical connections	Hirschmann GDS series (DIN 4350-C)								
Diagnostic conditions (factory programmed)	<table border="1"> <thead> <tr> <th>Condition</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>Sensor fault</td> <td>23 mA</td> </tr> <tr> <td>Under-range dew point</td> <td>4 mA</td> </tr> <tr> <td>Over-range dew point</td> <td>20 mA</td> </tr> </tbody> </table>	Condition	Output	Sensor fault	23 mA	Under-range dew point	4 mA	Over-range dew point	20 mA
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Sensor fault	23 mA								
Under-range dew point	4 mA								
Over-range dew point	20 mA								

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Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: Easidew Transmitter_97166_V7_UK_1117