Easidew 34
Dew-Point Transmitter



The Easidew is a dew-point transmitter with a 3/4" 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 ceramic metal-oxide moisture sensor technology based transmitter is calibrated to international standards and is delivered with a traceable calibration certificate.

Highlights

- 3/4" UNF process connection
- Dew point or ppm$_V$ moisture content
- 2-wire loop powered connection
- Rugged 316 stainless steel IP66 construction
- Measurement range -110 to + 20°Cdp or -100 to +20°Cdp as a standard
- Accuracy ±2°Cdp
- Calibration Certificate (NPL, NIST)

Technical Specifications

Performance

Measurement range	-100 to +20°C dew point -110 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 or 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) maximum
Overpressure rating	x2 operating pressure 90 MPa (900 barg)
Flow rate	1 to 5 Nl/min mounted in standard sampling block; 0 to 10m/sec direct insertion

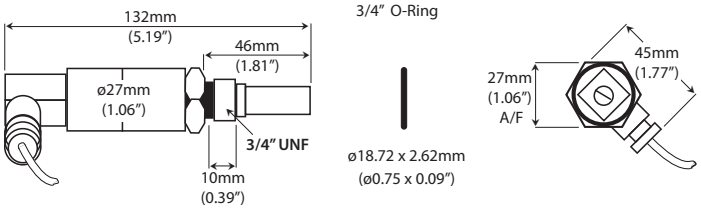
Mechanical Specifications

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	3/4" - 16 UNF 316 stainless steel
Weight	150g
Interchangeability	Fully interchangeable transmitter
Electrical connections	Hirschmann GDS series (DIN 4350-C)

Diagnostic conditions (factory programmed)	**Condition**	**Output**
	Sensor fault	23 mA
	Under-range dew point	4 mA
	Over-range dew point	20 mA

Dimensions

3/4" Process Connection



Electrical Connections

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

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Michell Instruments adopts a continuous development programme which sometimes necessitates specification changes without notice.
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