

# Easidew Online

## Dew-point hygrometer

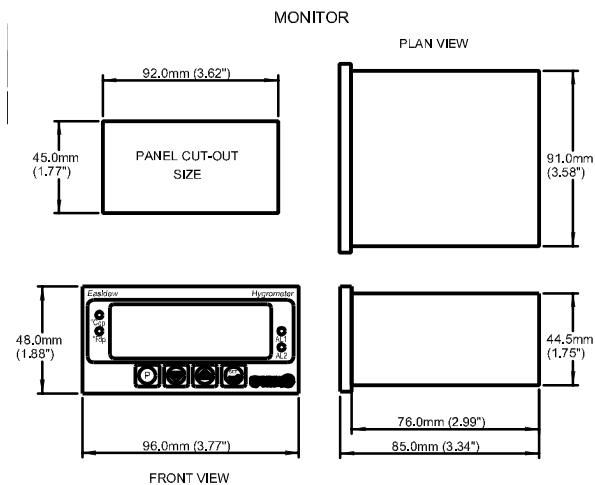


A panel- or bench- mounting hygrometer with digital display, analogue and digital outputs and dual alarm feature, offering excellent reliability and repeatability.

### Highlights

- Dew point or ppm moisture content
- Analogue and digital outputs
- IP66 (NEMA 4) Sensor and IP65 (NEMA 12)
- Monitor (front panel only)
- Excellent sensor protection
- -100 to +20°C total dew point range
- Dual alarms
- Clear and easy to read display

### Dimensions



### Technical Specifications

Performance	
<b>Measurement range (dew point)</b>	-100 to +20°C dew point -148 to +68°F dew point 0–3000 ppm <sub>v</sub> ppm <sub>v</sub> output or non-standard dew point range must be specified at time of order
<b>Accuracy (dew point)</b>	±2°C dew point
<b>Response time</b>	5 mins to T95 (dry to wet)
<b>Repeatability</b>	0.5°C dew point
Electrical output/input	
<b>Output signal</b>	4–20 or 0–20 mA signal, maximum load resistance 500Ω RS232
<b>Supply voltage</b>	85 to 264VAC, 50/60Hz
<b>Load resistance</b>	Max 250Ω @ 12V 500Ω @ 24V
<b>Current consumption</b>	60mA max
Operating conditions	
<b>Operating humidity</b>	0–100% RH
<b>Operating temperature</b>	-40 to +75°C
Mechanical specification	
<b>Ingress protection</b>	Monitor IP65 (NEMA 12) front panel only Sensor IP66 (NEMA 4)
<b>Dimensions</b>	Monitor: 1/8 DIN case, 96x48x85 mm including clearance (W x H x D) Sensor: 132x27A/F mm (length x diameter across hex flats)
<b>Filter</b>	HDPE
<b>Weight</b>	150g
<b>Electrical connections</b>	Sensor cell supplied
<b>Alarm</b>	Front panel configuration of alarm points
<b>Sensor cable</b>	0.8 m supplied as standard (max 800 m)
<b>Mains cable</b>	2 m cable supplied

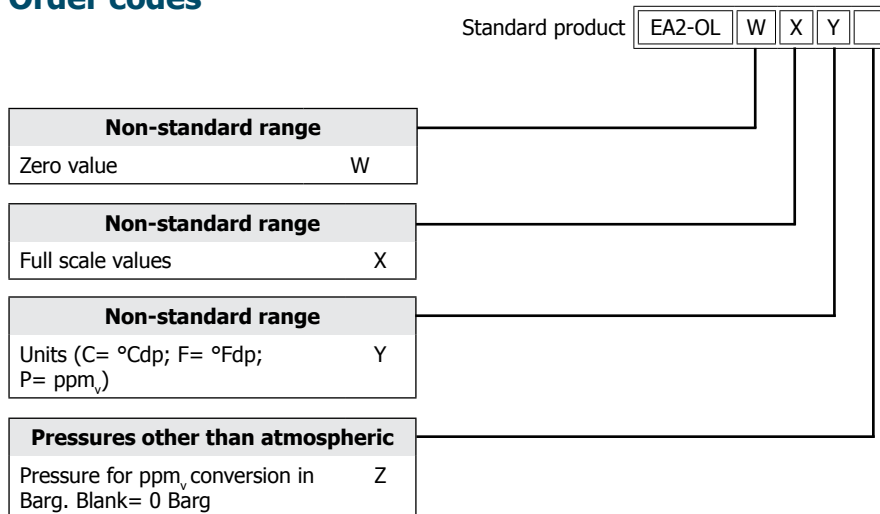
## Options and accessories

<b>Easidew Sampler</b> A self-contained sampling system, with filtration and flow control, for measurement of pressure or atmospheric dew point	<b>EA2-SAM</b>
<b>Sample Block</b> Stainless Steel sample block to contain Easidew Transmitter, with 1/8" NPT ports	<b>CSB</b>
<b>Replacement HDPE Guard</b> Pack of 10 HDPE Guards	<b>EA2-HDPE-10</b>
<b>Sintered Guard</b> Stainless Steel sintered guard, for protection of ceramic sensor (in place of standard HDPE Guard)	<b>9980237</b>
<b>Easidew Communication Kit</b> For connection to Easidew Transmitter and reconfiguration of range and output via Michell Configuration Software (available free of charge from Michell)	<b>EA2-CK</b>

## Electrical Connections

Pin	
1	To sensor Blue cable
3	To sensor Green cable
4	To sensor Red cable
7	Alarm relay contact 2 - N/O
8	Alarm relay contact 2 - N/C
9	Alarm relay contact 2 - com
13	mA output -
14	mA output +
16	Alarm relay contact
17	Alarm relay contact
23	Power supply N
24	Power supply L

## Order codes



**Example:**

**Standard product:** EA2-OL

**Non-standard product:** EA2-OL W X Y

Michell Instruments 2-wire dew point transmitter, Easidew TX with zero value, full scale values, units of measurement and zero Barg.

**Please note: Michell Instruments adopts a continuous development programme which sometimes necessitates specification changes without notice. Please contact us for latest version. Ref: Easidew Online\_0309**