

# Easidew Online

## Dew-Point Hygrometer



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

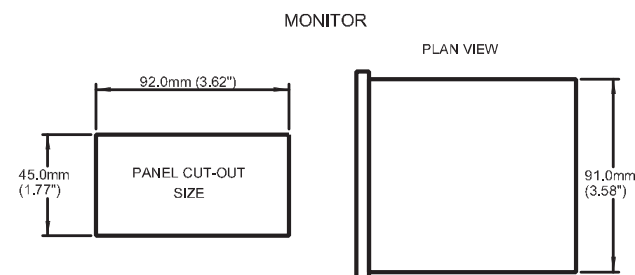
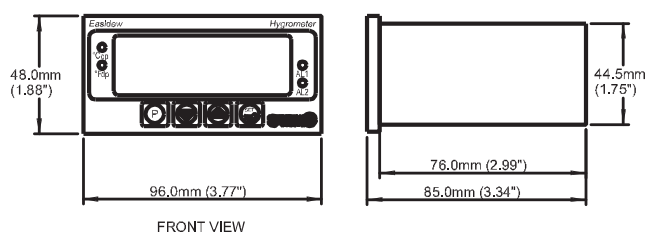
### Highlights

- Dew point or ppm moisture content
- Analog and digital outputs
- IP66 (NEMA 4) Sensor and IP65 (NEMA 12) Monitor (front panel only)
- Excellent sensor protection
- -100 to +20°C (-148 to +68°F) total dew-point range
- Dual alarms
- Clear and easy to read display

### Technical Specifications

Performance	
Measurement range	-100 to +20°C (-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
Accuracy (dp)	±2°C (±3.6°F) dew point
Response time	5 mins to T95 (dry to wet)
Repeatability	0.5°C (0.9°F) dew point
Electrical output/input	
Output signal	4–20 or 0–20 mA, maximum load resistance 500 Ω RS232
Supply voltage	85 to 264 V AC, 50/60 Hz
Load resistance	Max 250 Ω @ 12 V / 500 Ω @ 24 V
Current consumption	60 mA max
Operating conditions	
Operating humidity	0–100% RH
Operating temperature	Sensor -40 to +60°C (-40 to +140°F) Monitor 0 to 50°C (+32 to +122°F)
Mechanical specification	
Ingress protection	Monitor IP65 (NEMA 12) front panel only Sensor IP66 (NEMA 4)
Dimensions	Monitor 1/8 DIN case, 96 x 48 x 85mm (3.77 x 1.88 x 3.34") incl clearance (wxhxd) Sensor 132 x 27 A/F mm (5.13 x 1.06") (length x diameter across hex flats)
Filter	HDPE
Weight	150g (5.29oz)
Electrical connections	Sensor cell supplied
Alarm	Front panel configuration of alarm points
Sensor cable	0.8m (2.6') supplied as standard max 800m (2,600')
Mains cable	2m (6.5') cable supplied

### Dimensions



## Electrical Connections

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

## Accessories and Spare Parts

Pack of 10 replacement HDPE guards	<b>EA2-HDPE</b>
SS sintered guard replacement	<b>SSG</b>
Easidew communications kit for EA2	<b>EA2-CK</b>
SS sample block (5/8" UNF thread with 1/8" NPT ports)	<b>CSB</b>
KFD0-CS-EX1.50P galvanic isolator (for Easidew PRO I.S. - Pepperl & Fuchs)	<b>GI-PF-01</b>
3/4"-16 UNF to 5/8" UNF male adapter, SS (Panametrics thread)	<b>APT-PAN</b>
G 1/2" to 5/8" UNF male adapter, SS (E&H or GEI thread)	<b>APT-GEI</b>
1/2" BSP to 5/8" UNF thread adapter	<b>APT-BSP</b>
Cable, 0.8m (2.62') length with fittings + additional cable	<b>EA2-CAB-XX</b>
Easidew Sampler (see Accessories Section for details)	<b>EA2-SAM</b>
10 pk particulate filter cartridges (for SS filter unit (9996061))	<b>SSF-PF-10PK</b>
6mm (0.24") O.D thick walled PTFE sample tube	<b>PTFE-XX</b>

## Ordering Codes

To construct the order code, select the relevant feature from the tables below, starting with the base model, which is {Feature A} and then add on options to create a string: {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}

**Order example:** EA2-OL+100+HD+AC+SC08

Easidew Transmitter, -100 to +20°C (-148 to +68°F) dp range, HDPE guard, 85/265 V AC power supply & 0.8m (2.62') cable with fittings

