



A1-05a Ambient Temperature & Humidity Pod

Use this Pod to Monitor....

- Ambient Temperature
- Ambient Relative Humidity

Features

Ambient Temperature Sensor

- Temperature Range: -40°C to +70°C
- Typical Accuracy at 25°C: $\pm 0.3^\circ\text{C}$
- Typical Accuracy over Full range: $\pm 1.4\%$ full Span
- Measurement Resolution: 0.1°C

Relative Humidity

- Humidity Range: 5% to 95%rh
- Humidity Accuracy at 25°C $\pm 2\%$ rh
- Humidity Accuracy over Full Range: $\pm 3\%$ rh
- Measurement Resolution: 0.03% rh

General Specifications

Physical Size

- 3.5 in x 3.25 in x 2in. (89mm x 83mm x 51mm)
- Weight: 8 oz. (227g)

Power Options

- 100-240Vac 50-60Hz
- DC Input 4-7Vdc
- 3 x AA Batteries (6 month life at 5 minute sampling intervals)

Wireless

- Range: 250ft Outdoors, 90ft Indoors
- Topology: Mesh
- Standard: IEEE 802.15.4
- Frequency: 2.4GHz DSS
- Power Output: -0.79dBm

Sampling Rate

- User Settable 30sec – 24hrs

Emergency Data Storage

- 250 Samples per Sensor

Operating Environment

- -40°C to 70°C, 5-95%rh
Non-Condensing
When using Lithium batteries
With Alkaline batteries -20°C to 50°C

Accessories

- E1-22 ISO 17025 NIST Traceable Calibration Certificate Available
- E1-16 External Battery Pack



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