



The Zephyr Enviro 4 is an all-in-one device for monitoring laboratory environmental conditions. The included GUI makes visualizing and logging the data easy.

Temperature Measurement Specifications

Absolute accuracy: $\pm 0.1\%$
Temperature Range: $-200\text{ }^{\circ}\text{C}$ to $+850\text{ }^{\circ}\text{C}$ (probe dependent)
Sensor Type: PT100 or PT1000
Long term drift: $<0.02\text{ }^{\circ}\text{C}/\text{year}$
Number of independent measurement locations: Up to 8

Humidity Measurement Specifications

Absolute accuracy: $\pm 1\%$ relative humidity (RH)
Relative accuracy: $\pm 0.08\%$ RH
Operating range: 0 to 100% RH
Long term drift: $<0.2\%$ RH / year

Hardware

Dimensions: 8.31" x 4.76" x 3.1"
Inputs: 8x RTD (3-wire), 4x USB-A, ethernet
Outputs: HDMI
Included: Power supply and cable (USB-C), 8x PT1000 RTD probes, HDMI output cable
Main Enclosure Operating Temperature $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$

Features

High precision temperature, humidity, barometric pressure, and particle count measurements

Automatically log and visualize your measurements by plugging in a monitor, no computer required

8 RTD temperature inputs (24 bit)

- Option for PT100 or PT1000 sensors
- Measure and log the temperature of your experiment in multiple locations

Fast data acquisition up to 1 sample per second

Additional instrument control in future software updates

Particle Measurement Specifications

Particle Measurement ranges: 0.3-1.0 μm , 1.0-2.5 μm , 2.5-10 μm

Particle counting efficiency: 50% at 0.3 μm , 98% at $>0.5\text{ } \mu\text{m}$

Measurement Range (PM 2.5): 0-500 $\mu\text{g}/\text{m}^3$

Resolution: 1 $\mu\text{g}/\text{m}^3$

Repeatability: $\pm 10\text{ } \mu\text{g}/\text{m}^3$ at 0-100 $\mu\text{g}/\text{m}^3$, $\pm 10\%$ at 100-500 $\mu\text{g}/\text{m}^3$

Pressure Measurement Specifications

Absolute accuracy: $\pm 0.05\text{ kPa}$

Relative accuracy: $\pm 0.003\text{ kPa}$ ($\pm 25\text{ cm}$)

Operating range: 30 to 124 kPa

Long term drift: $<0.02\text{ kPa}/\text{year}$

\$1299

Contact us at
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to order

Simplify your measurements.