

KD AirBoxx Specifications

CO2 Sensor

Type: Referenced non-dispersive infra-red (NDIR)
Measuring Range: 0 to 10000 ppm*
Accuracy: $\pm 5\%$ of reading or 60 ppm, whichever is greater
Resolution: 1 ppm

CO Sensor

Type: Electrochemical
Measuring Range: 0 to 200 ppm*
Accuracy: $\pm 5\%$ of reading or 2 ppm, whichever is greater
Resolution: 0.1 ppm

Temperature Sensor

Type: CMOSens
Measuring Range: 32 to 122°F (0 to 50° C)
Accuracy: 0.5° C (1.0° F)
Resolution: 0.1° F (0.1°C)
Units: User-selectable (C° or F°)

Relative Humidity Sensor

Type: CMOSens
Measuring Range: 5 to 95 % RH
Accuracy at +25° C: Better than $\pm 2\%$ RH
Resolution: 0.1% RH

Optional Sensor Specifications

Ozone

Type: Electrochemical
Measuring Range: 0 to 2 ppm
Accuracy: 0.04 ppm
Resolution: 0.001 ppm

Hydrogen Sulfide

Type: Electrochemical
Measuring Range: 0 to 100 ppm
Accuracy: 0.2 ppm
Resolution: 0.01 ppm

Oxygen

Type: Electrochemical
Measuring Range: 0 to 30%
Accuracy: 0.5%
Resolution: 0.1%

Data Logger

Capacity: 64Mb (4 sensors at 1 min. int. = 180 days data)
Logging Interval: 15 seconds to 1 hour (user-selectable)
Time Weighted Avg: 0, 1, 5, 15, 60 min. (user-selectable)

Dimensions

Weight: 1 lb / 0.45 kg
Dimensions: 6.5" (16.5 cm) x 4" (10 cm) x 1.75" (4.5 cm)

Power

Battery: 4 2500 mAh AA rechargeable included (8 - 12 hour life)
Life: 8 - 12 hours
Charger: included with 4 additional rechargeable batteries
AC Adapter: included



Nitrogen Dioxide

Type: Electrochemical
Measuring Range: 0 to 10 ppm*
Accuracy: 0.1 ppm (low range) 0.2 ppm (high range)
Resolution: 0.01 ppm

Sulfur Dioxide

Type: Electrochemical
Measuring Range: 0 to 20 ppm
Accuracy: 0.2 ppm
Resolution: 0.01 ppm

VOC

Type: PID (Photo Ionization detector)
Measuring Range: 0 to 20 ppm
Accuracy: 0.1 ppm
Resolution: 0.01 ppm

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Note: Higher ranges available. Accuracies are based on a calibration temperature of 22° C (72° F) and are valid for normal environments. Contact us for information on extreme cases