

Product Name :
Astra Scientific Indoor Air Quality Monitor

Product Code :
ASTENVIOR-0014



Description :

Astra Scientific Indoor Air Quality Monitor

Technical Specification :

Special Features

- 1). Cost-Effective CO2 monitors made with IR-SOC technology.
- 2). NDIR technology to Improve the long term Stability.
- 3). The Alarm mode will sound at 1000PPM or adjust Alarm level
- 4). Several Modes for adjusting the setting parameters.
- 5). Portable accurate handheld CO2 Monitor.

Specifications:

Method : NDIR

Display : LCD

Independent CO2 and Temperature Readings Calculates Displays Ventilation Rates

Sample Method - Diffusion or flow through (50-200ml/DLABn)

Performance $\hat{\text{C}}$ CO2 Channel A B

Measurement Range 0-3000ppm 0-10000ppm

Resolution 1ppm at 0-1000ppm

5ppm at 0-2000ppm

10ppm at 0-3000ppm 1ppm at 0-1000ppm

5ppm at 1001-2000ppm

10ppm at 2001-4000ppm

20ppm at 4001-6000ppm

40ppm at 6001-10,000ppm

Accuracy : $\hat{\text{A}}\pm 50\text{ppm}$ or $\hat{\text{A}}\pm 5\%$ of Reading

Repeatability : $\hat{\text{A}}\pm 20\text{ppm}$

Temperature Dependence : $\hat{\text{A}}\pm 0.1\%$ of Reading per $\hat{\text{A}}^\circ\text{C}$ or $\hat{\text{A}}\pm 2\text{ppm}$ per $\hat{\text{A}}^\circ\text{C}$ Whichever is greater, referenced to 25°C

Pressure Dependence : 0.13% of Reading per mm Hg (Corrected via user input for attitude)

Response Time : < 2DLABn for 63%of Step Change

Warm-up time : <60 Seconds at 22°C

Response time : < 2DLABn for 63%of Step Change

Performance - Temperature Channel

Temperature Range : Display 32 to 122°F (0 to 50°C)

Display resolution : 0.1°F (0.1°C)

Display Options : $^\circ\text{C}/^\circ\text{F}$ or Off . Set up with Up/Down button

Accuracy : $\hat{\text{A}}\pm 2^\circ\text{F}$ ($\hat{\text{A}}\pm 0.1^\circ\text{F}$)

Response Time : 20-30 DLABnutes

Calibration Interval : 12 Months

Outputs

OC- Normally Low, 100mA max. @24 VDC. Adjustable set point Factory setting is 1000 ppm, One RJ-45 Connector Digital output in R11 protocol, One graphing Software ZyAura view (Under Developing)

Power Supply

Two Power Supply types

Battery type : Alkaline, AA * 4 (80 Hours)

External : 6 VDC from External AC/DC adapter

Which included in package (Use specified AC adapter only)

Power Requirement

160mA Peak, 15mA average from 6V

General Operating Conditions

Operating Temperature : 32-122 Â°F (0-50 Â°C), 0-95% RH, non-condensing.

Storage Temperature : -4 to 140Â°F (-20 to 60Â°C)



Astra Scientific

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