



SUNSTAR传感与控制 <http://www.sensor-ic.com/> TEL:0755-83376549 FAX:0755-83376182E-MAIL: szss20@163.com

Breathe Easier With



Model 307 Infrared Carbon Dioxide Sensor

AirSense™ Model 307 Infrared Carbon Dioxide Sensor

Most Economical Model

Optional 4-20 mA Output

Worry Free Installation

NEW Safety Features

Single Touch Calibration



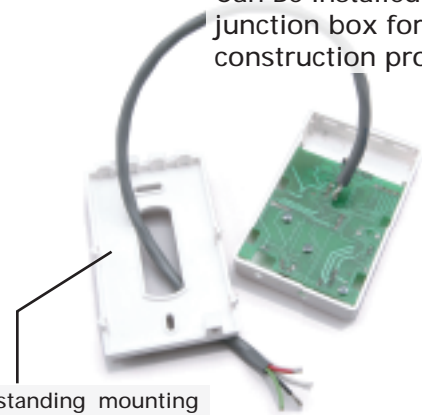
- Easy to Use Calibration Port
- Single Touch Calibration Button
- Cover-Locking Set Screw
- Rugged & Discreet Housing

Affordability and Ease of Installation

Digital Control System's **AirSense™** M307 Carbon Dioxide sensor sets a new standard of affordability and user friendly installation and operation. A unique metal-chromated CO₂ sensor housing ensures flawless performance in the most demanding HVAC environment. The M307's ease of installation and classic finish were designed to meet the needs of the cost-conscious HVAC contractor.

The **AirSense™** M307 can be installed on a standard electrical junction box in new construction projects or it can be directly wall mounted. Installation is now easier than ever! The M307 can be installed with just two screws and none of the sensitive electronics are exposed during installation, eliminating costly accidents. Another unique feature of the M307 is that it is designed so components won't be harmed if the unit is accidentally wired incorrectly.

Can Be Installed on a junction box for new construction projects



NEW Free standing mounting plate to reduce the risk of mechanical damage during installation.

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Single Touch Smart Calibration

The AirSense™ Model 307's automated single gas verification makes field calibration a snap, and its superior design means significantly longer intervals between calibration. Technicians in the field can now easily calibrate the M307 simply by removing the port cap, plugging in the 2000 ppm cal gas (available from factory), and pressing the calibration button (illustrated on front). An easy to read green LED will blink once the process is complete.

Easy to install and support.

Measurement output is via a 0 to 10 volt interface. An optional 4-20mA current loop feature is also available (see table). The new mounting design, easy calibration, and cost savings you can achieve with the M307 make for an easy decision. Breathe Easier with AirSense™ CO₂ Monitors.



| Parameter | Value |
|---|---|
| Operating Principle | Non-dispersive infrared (NDIR) |
| Gas Sampling Method | Diffusion Only |
| Measurement Range | 0-2000 ppm Standard (0-5000ppm Range Optional by Request) |
| Repeatability | ± 20 ppm |
| Measurement Accuracy | ± 5% of reading or 75 ppm, (whichever is greater) |
| Recommended Calibration Interval | 5 years |
| Warm Up Time | Less than 1 minute |
| Power Requirements | 18 - 30 VDC or 20 - 28 VRMS AC |
| Power Consumption | Less than 1 watt |
| Operating Temperature Range | 0 - 50° Celsius |
| Operating Humidity Range | 5 - 95% RH, non-condensing |
| Voltage Output (linear) | 0 - 10 VDC full scale |
| Optional Current Output (linear) | 4-20 mA (Rloop : 400 ohms maximum) |
| Calibration | Single button |
| Case Dimensions | 4.5 x 2.8 x 0.9 inches |
| Enclosure Material | White Satin Finish, ABS UL 94 V-O Flammability Rated Plastic |

Other HVAC CO₂ Sensors from Digital Control Systems Include:

Model 310e CO₂ Sensor with Display and Duct Kit

Model 305e CO₂ Concentration Measurement Module

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