



AirSense™ Model 307 Infrared Carbon Dioxide Sensor



Cover-Locking Set Screw

Easy to Use Calibration Port

Available 4-20 mA Output

Single Touch Calibration

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

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.





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
Measurement Range	0-2000 ppm (Other Ranges Optional by Request)
Repeatability	± 20 ppm CO2
Measurement Accuracy	± 30 ppm + 2% of reading
Recommended Calibration Interval	5 year
Warm Up Time	Less than 1 minute
Power Requirements	18 - 30 VDC or 18 - 28 VRMS AC
Operating Temperature Range	10 - 50° Celsius
Operating Humidity Range	0 - 95% RH, non-condensing
Voltage Output (linear)	0 - 10 VDC full scale standard.
Optional Current Output (linear)	4-20 mA
Calibration	ONE Point : Single gas calibration
Dimensions	4.5 x 2.8 x 0.9 inches

DCS CO2 Family



Model 305

OEM Applications



Model 310

HVAC Wallmount Applications



Model 320

Ductmount Applications



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