



AirSense™ Model 310e Infrared Carbon Dioxide Sensor



Reduce energy cost

Isolated power supply

4-20 mA Current loop

Relay output available



Affordable and Ease of Installation

The *AirSense™* Elite Beam Model 310e CO2 monitor provides continuous, accurate reading of indoor CO2 levels, making it easy to maintain an optimum level of fresh air while reducing heating and cooling costs to an absolute minimum. Use of the *AirSense™* Elite Beam Model 310e enables the building manager to recirculate heated or cooled air, adding outside air only when indoor CO2 levels rise above the set point. Thus “sick building syndrome” and high heating and cooling costs can both be controlled at the same time with the use of the *AirSense™* Elite Beam Model 310e.



Single Gas Smart Calibration

The *AirSense™* Model 310e single gas verification makes field calibration a snap, and its superior design means significantly longer calibration intervals. Unlike other models, its simple user interface has no complicated menus: all maintenance and calibration operations are easily performed even on units with out display.



Easy to install and support.

The *AirSense™* Elite Beam Model 310e is easy to install and support. Measurement output is via a 4 - 20 mA current loop or a 0 to 10 volt interface. A completely isolated power supply eliminates any ground loop or electrical interaction problems when multiple units are connected to the same controller.

| Parameter | Value |
|----------------------------------|---|
| Operating Principle | Non-dispersive infrared (NDIR) |
| Gas Sampling Method | Diffusion or sample draw |
| Measurement Range | 0-2000 ppm (Other Ranges Optional by Request) |
| Repeatability | ± 20 ppm CO2 |
| Measurement Accuracy | ± 30 ppm ± 2% of reading whichever is greater |
| 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. Range field adjustable from 1-10 VDC |
| Current Output (linear) | 4-20 mA |
| Calibration | Single gas calibration |
| Dimensions | 5.25"x 3.25"x 1.4" inches |
| Optional relay contact rating | 2 Amps @ 24 V |

DCS CO2 Family



Model 307

HVAC Wallmount Applications



Model 300

OEM/HVAC Applications



Model 320

Ductmount Applications



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