



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	± 5% of reading or 75 ppm, 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
Maximum drift per year	± 75 ppm @ 1200 ppm
Operating Temperature Range	10 - 50° Celsius
Operating Humidity Range	0 - 90% RH, non-condensing
Voltage Output (linear)	0 - 10 VDC full scale standard. Range field adjustable from 1-10 VDC
Optional 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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