



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
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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