

Proudly



MADE IN USA



M308 & M308T

irSense Dual Beam Infrared Carbon Dioxide Sensor

Digital Control Systems' AirSense™ Model 308 CO₂ Sensor sets a new standard of affordability, ease of installation, and user-friendly operation.

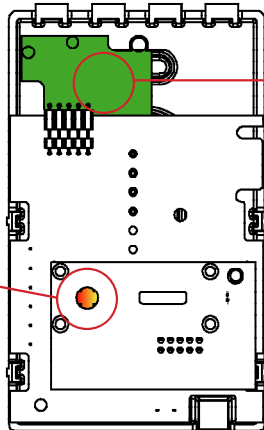
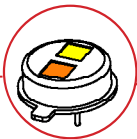
The Model 308 employs our patented single button calibration, which makes field calibration a snap... but please do not be disappointed if you never need to use this easy calibration feature, because the Model 308 is engineered to give you the very best stability available in a low-cost PPM CO₂ sensor.

irSense M308 & M308T CO₂ Sensor

SIMPLY SMART

Performance

All new compact CO₂ sensor with a dual-beam detector increases precision and long-term stability



M308

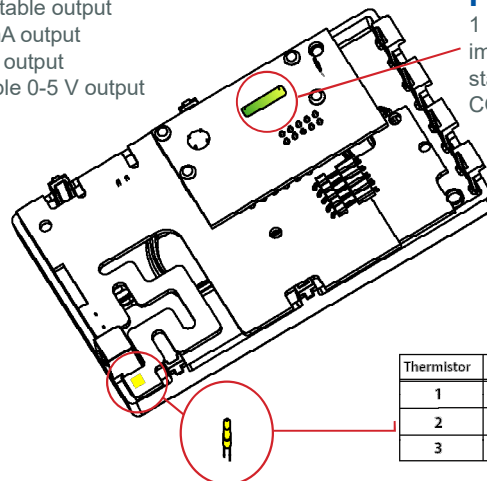
Simplicity

Factory-Selectable output

- 4-20 mA output
- 0-10 V output
- Available 0-5 V output

Filter

1 micron dust filter improves longterm stability and keeps the CO₂ engine clean



M308T - with temperature option

Thermistor	Description
1	1K ohm platinum RTD
2	10K ohm type 2 thermistor
3	10K ohm type 3 thermistor

Responsibility



Get more for less!

The AirSense Model 308 is the successor to our popular Model 307. The Model 308 is our lowest cost CO2 sensor designed for HVAC applications.

This next generation has one huge bonus: it is now **available in a LOW COST duct-mounting format!**

Made in America

AirSense *always has been, and always will be* designed and manufactured in America!



M308 Wiring instructions
Scan Code

Parameter	Value
Operating Principle	Dual-beam Non-dispersive infrared
Gas Sampling Method	Diffusion
Measurement Range	0-2000 ppm
Repeatability	± 20 ppm CO2
Measurement Accuracy	± 30 ppm ± 2% of reading
Recommended Calibration Interval	5 years
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 - 5 Volts DC, 0 - 10 Volts DC,
Optional Current Output (linear)	4-20 mA (R _L > 500 Ohms)
Calibration	Single gas: 2,000 ppm (kits available) -Not applicable with temperature option
Dimensions	4.5 x 2.8 x 0.9 inches
Warranty	7 years on electronic components, 3 years on NDIR sensor

Mount style	Description
W	Wall-mount
D	Duct-mount

Thermistor	Description
1	1K ohm platinum RTD
2	10K ohm type 2 thermistor
3	10K ohm type 3 thermistor

Ordering Table

308 **T** **W** **V** **2**

Series	Gas Sensor
308	CO2 sensor

Option	Description
T	Temperature
BLANK	NO Temperature

Output	Description
V	0-5 or 0-10V
C	4-20mA

