



AirSense™ Model 300 OEM Infrared Carbon Dioxide Sensor



Exceeds CE standards

Design for OEM integration

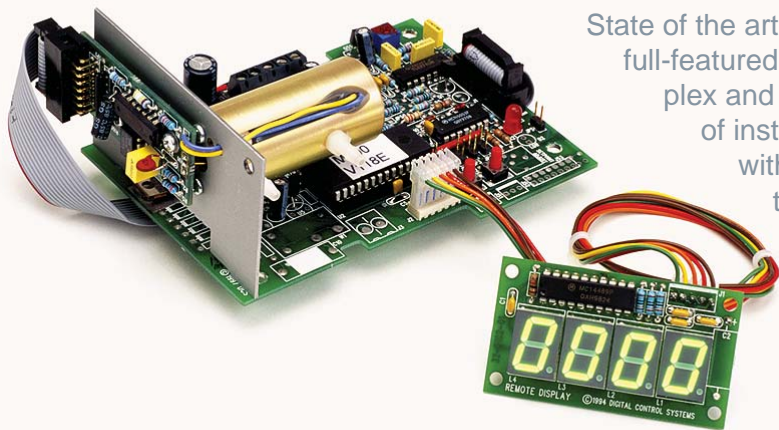
Remote or attached sensor

Low power consumption

Affordable and Ease of Installation

The AirSense™ Model 300 combines cutting-edge 32-bit digital signal processing with the solid reliability and compact size that characterize Digital Control Systems' OEM products.

State of the art microprocessor technology makes this full-featured CO2 measurement subsystem less complex and more robust than previous generations of instrumentation. It is so reliable we back it up with an unprecedented two-year warranty: twice the industry standard.



Single Gas Calibration

Advanced design provides a very stable, drift free output requiring less frequent calibration. Your customer will appreciate having an incubator that saves on CO2 costs and provides tighter control over concentration levels in the chamber.



Easy to install and support.

The **AirSense™** Model 300 is designed for demanding OEM applications that require sophisticated performance in a compact format at a competitive price. With power consumption as low as 125 mA (average) and a control board that occupies less than 16 square inches, this powerful measurement subsystem is easily incorporated into a broad range of products.

Parameter	Value
Operating Principle	Non-dispersive infrared (NDIR)
Gas Sampling Method	Diffusion or sample draw
Measurement Range	0-20% Standard (Other Ranges Optional by Request)
Repeatability	± .1% CO ₂
Measurement Accuracy	± 5% of reading or .1% CO ₂ (whichever is greater)
Recommended Calibration Interval	1 year
Warm Up Time	Less than 1 minuet
Power Requirements	8 - 30 VDC @ 125 mA or 18 - 28 V _{RMS} AC
Maximum drift per year	± 3% of full scale
Operating Temperature Range	10 - 50° Celsius
Operating Humidity Range	0 - 90% RH (100% w/water proof option)
Voltage Output (linear)	0 - 1 VDC full scale
Optional Current Output (linear)	4-20 mA
Calibration	Single gas
Dimensions	4.875 x 3.5 x 1 inches
Display	Available
Relay	Available

DCS CO2 Family



Model 307

HVAC Wallmount Applications



Model 310

HVAC Wallmount Applications



Model 320

Ductmount Applications



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