



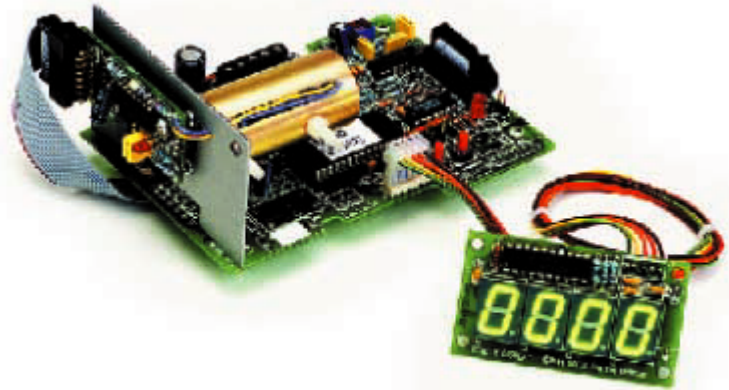
OEM AirSense™ Model 300 CO2 Monitor/Controller

NDIR sensor

Two year warranty

Meet CE, UL & CSA

Remote or attached sensor



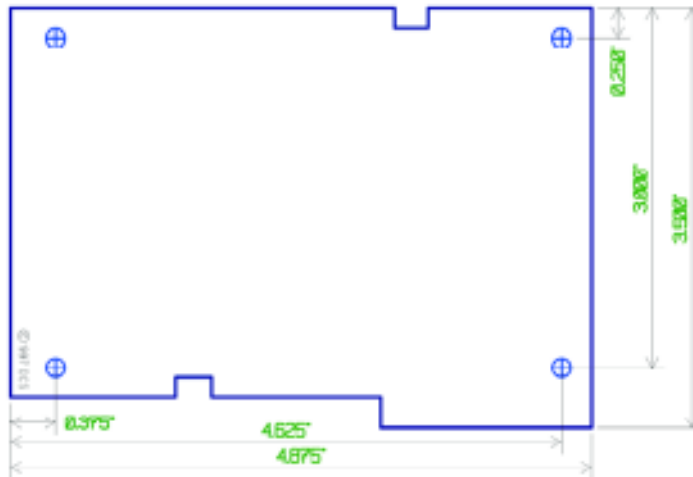
The *AirSense™* Model 300 combines cutting-edge 32-bit digital signal processing with the solid reliability and compact size that characterize Digital Control Systems' OEM products. State of the art microprocessor technology makes this full-featured CO2 measurement subsystem less complex and more robust than previous generations of instrumentation. It is so reliable we back it up with an unprecedented two-year warranty: twice the industry standard.

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. The *AirSense™* Model 300 is designed for demanding OEM applications that require sophisticated performance in a compact format at a competitive price. It provides a stable, drift-free linearized voltage or current output that is much less susceptible to external electro-magnetic interference than conventional analog electronics. 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.

INNOVATION AND TECHNOLOGY

Specification	
Operating principle	Non-dispersive infrared (NDIR)
Measurement range	0-20% CO ₂ (Other ranges available)
Maximum drift per year	Plus or minus 3% of full scale
Accuracy	Plus or minus 5% of reading or 1% of CO ₂
Minimum calibration interval	One year
Repeatability	Better than .1% CO ₂
Gas sampling method	Diffusion or pumped sample draw
Response time	Less than 20 seconds
Operating temperature range	0 to 50 degrees Celsius
Storage temperature	-20 to +70 degrees Celsius
Power requirements	8-20 volts DC, 125 mA average
Output (linear)	0-1 VDC or 4-20 mA (other voltage ranges available)
Warm-up time	Less than five minutes
Optional digital display	3 digit, .56" LED
Operating life expectancy	10 years typical
Calibration	One point calibration procedure
Warranty	Two year: parts & labor/repair or exchange



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