

INFRARED CARBON DIOXIDE (CO₂) SENSOR

TrueSense CO₂ CO₂ Sensor for Green Buildings

Ideal sensor for sensing percentage of CO₂ in residential, commercial premises and HVAC systems..

Technical Specifications

Parameter	Value
Operating Principle	Non-dispersive infrared (NDIR)
Gas Sampling Method	Diffusion Only
Measurement Range	0-2000 ppm Standard
Repeatability	± 20 ppm
Measurement Accuracy	± 5% of reading or 75 ppm, (whichever is greater)
Recommended Calibration Interval	5 years
Warm Up Time	Less than 1 minute
Power Requirements	18 - 30 VDC or 20 - 28 VRMS AC
Power Consumption	Less than 1 watt
Operating Temperature Range	0 - 50° Celsius
Operating Humidity Range	5 - 95% RH, non-condensing
Calibration	Single button



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TrueSense CO₂ sensor sets a new standard of affordability and user friendly installation and operation. It can be installed on a standard electrical junction box in new construction projects or it can be directly wall mounted. Installation is now easier than ever! It can be installed with just two screws and none of the sensitive electronics are exposed during installation, eliminating costly accidents. Another unique feature of

TrueSense CO₂ is that it is designed so components won't be harmed if the unit is accidentally wired incorrectly. It's automated single gas verification makes field calibration a snap, and its superior design means significantly longer intervals between calibration. Technicians in the field can now easily calibrate simply by removing the port cap & plugging in the 2000 ppm cal gas (available from factory), and pressing the calibration button. LED indication is provided to show concentration level.