

Carbon Dioxide (CO2) Detector/Controller (Model:AI-CO2-10K-S)

Know your air and monitor CO2 levels with the Industrial standard Carbon Dioxide Transmitter (AI-CO2). This highly responsive transmitter is available in wall (with/without display) and duct mounting enclosures. The transmitter boasts the latest in sensing technology with a Swiss photoacoustic sensor for reliable monitoring. Ranges are available up to 0-20,000ppm. The instrument offers optional RS-485 communication, programmable buzzer alarm and relay outputs. It is suited for demand control ventilation in commercial buildings and multiple industrial applications including cold storage monitoring, greenhouse monitoring, confined spaces and hospital laboratories.



Features

- Swiss photoacoustic (PAS) sensor
- Available with/without display and duct mounting enclosure
- Range options up to 20,000 ppm
- Clear LCD Display
- RS-485 Modbus communication(optional)
- Relay output NO/NC (optional)
- Optional buzzer alarm



Retail spaces



Workspaces



Educational institutions



Auditoriums & museums

Specifications

Range Options	400-2000ppm/5000ppm/10,000 ppm/20,000ppm (selected at time of ordering)
Accuracy	±5% in 400~1000 ppm range
Output	4-20mA/ 0-10 VDC (User field selectable)
Display	4 ¹ / ₂ digit clear LCD display
Relay	Optional single relay output (NO/CO/NC) Freely programmable Rated 2 amps
Storage Conditions	-10 to +60 deg. C
Enclosure	Wall mounting type ABS Plastic Enclosure with Wall Bracket (IP 65 splash proof)
Size	80 (H) x 120 (W) x 55 (D)
Response Time	<3 minutes for 90% step change
Warm up Time	<2 minutes, 10 mins for max accuracy
Power Supply	12-24VDC, by the way of 110-230 VAC, 50-60Hz Adaptor provided along with (Fits well in USA and European countries Also)
Communication	Optional RS-485 Modbus communication
Buzzer Alarm	Optional programmable, in built buzzer for Low/High/ Extreme high threshold
Supply Scope	1 Unit of CO2 Detector/Controller, Power Adapter, Instruction Manual and Factory Calibration Certificate

Related products

CO₂ | CO | Temp | Humi | VOC | PM | O₂



CO2 Transmitter



VOC Detector



IAQ Monitor



AI-CO2-IoT



CO Transmitter



Humi-Temp
Monitor

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

Instrukart Holdings

Ph : +91 (40)40262020 | Mob : +91 88865 50506 | +1 208 330 0506

Email : info@instrukart.com

Website : www.instrukart.com

Head Office: #18,Street-1A, Czech Colony, Sanath Nagar, Hyderabad -500018, INDIA.

