

# Duct Mounting Carbon Dioxide Transmitter



Model: AI-CO2-D



## Features

- 1 No. relay output (optional)
- Optional RS-485 Modbus communication
- Range options up to 10,000ppm
- Duct mounting ABS plastic enclosure
- Latest CO2 sensing technology

Track CO2 levels with a solution for HVAC ducts with the Ace Instruments Duct Carbon Dioxide Transmitter (AI-CO2-D).

Range options available up to 10,000 ppm. An economical and rugged solution for simultaneous measurement and transmission of CO2 levels with analog 4-20mA outputs and optional RS-485 Modbus communication. The instrument features relay output for optimal control of CO2 levels within HVAC ducts. The AI-CO2-D is suited for mounting in HVAC ducts for building monitoring, clean room ventilation systems, glove box applications, plastic dryers and industrial drying processes.

Comprehensive indoor air quality monitoring range  
CO2 | CO | Temp | Humi | VOC | PM | O2



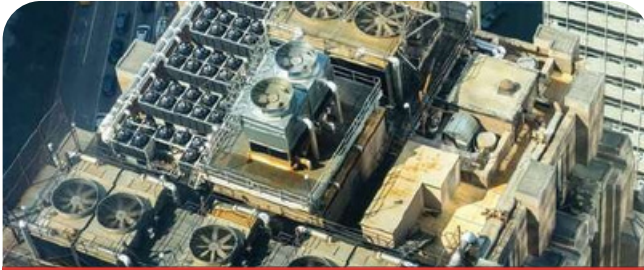
Improve occupant comfort and building environment through IAQ monitoring in..



Commercial Buildings



Cleanroom Environments



Demand Control Ventilation



Industrial Environment Monitoring

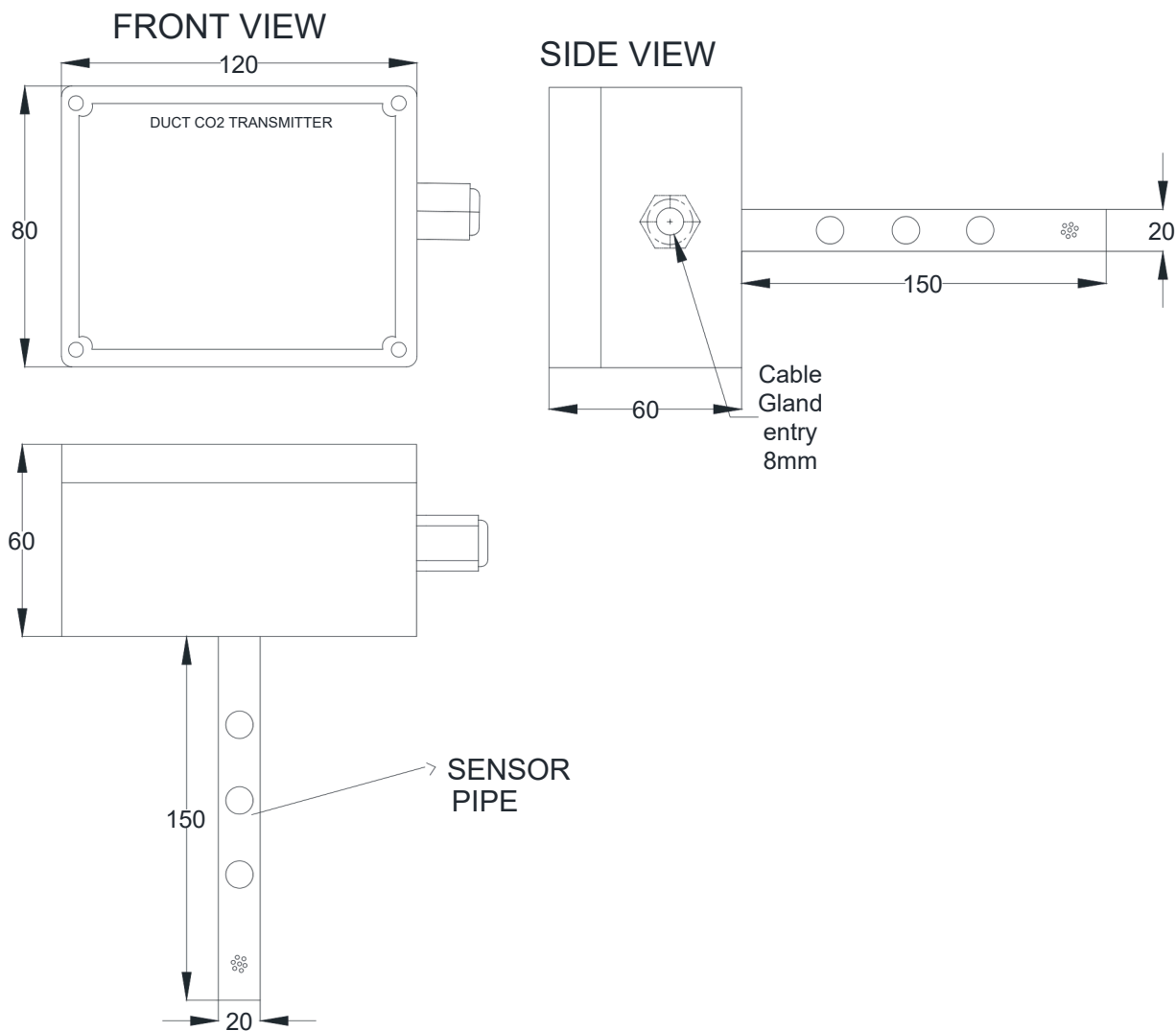
## Specifications

Sensor	Photoacoustic (PAS) type sensor
Measuring Range	Options: 0-2000ppm, 0-5000ppm, 0-10,000ppm
Accuracy	$\pm (30 \text{ ppm} + 3\% \text{ of measured value})$
Output	4-20mA / 0-10 VDC output (Field Selectable)
Response Time	1 minutes for 80% readout range, 3 minutes for functional accurate output
Communication	RS485Modbus (Optional)
Power Supply	24 VDC, 250mA
Relay	1 No. Relay Output (CO/NO/NC)
Enclosure	Duct mounting type ABS plastic enclosure with duct mounting bracket
Warranty	12 months manufacturer warranty

## COMPLIANCE



## CAD Diagram :



## Wiring Diagram:

1	2	3	4	5
+	-	+	+	-
24V DC		mA O/P	0-10V O/P	GND

Customize your IAQ solution with us today