



Carbon Dioxide (CO₂) Transmitter



With Display

Without Display

Overview

Know your air and monitor CO₂ levels with the Ace Instruments Carbon Dioxide Transmitter (AI-CO₂). The transmitter is available in wall (with/without display) and duct mounting enclosures. The transmitter boasts the latests in sensing technology with a Swiss photoacoustic sensor for reliable monitoring. Ranges are available up to 0-20,000 ppm.

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 & hospital laboratories.

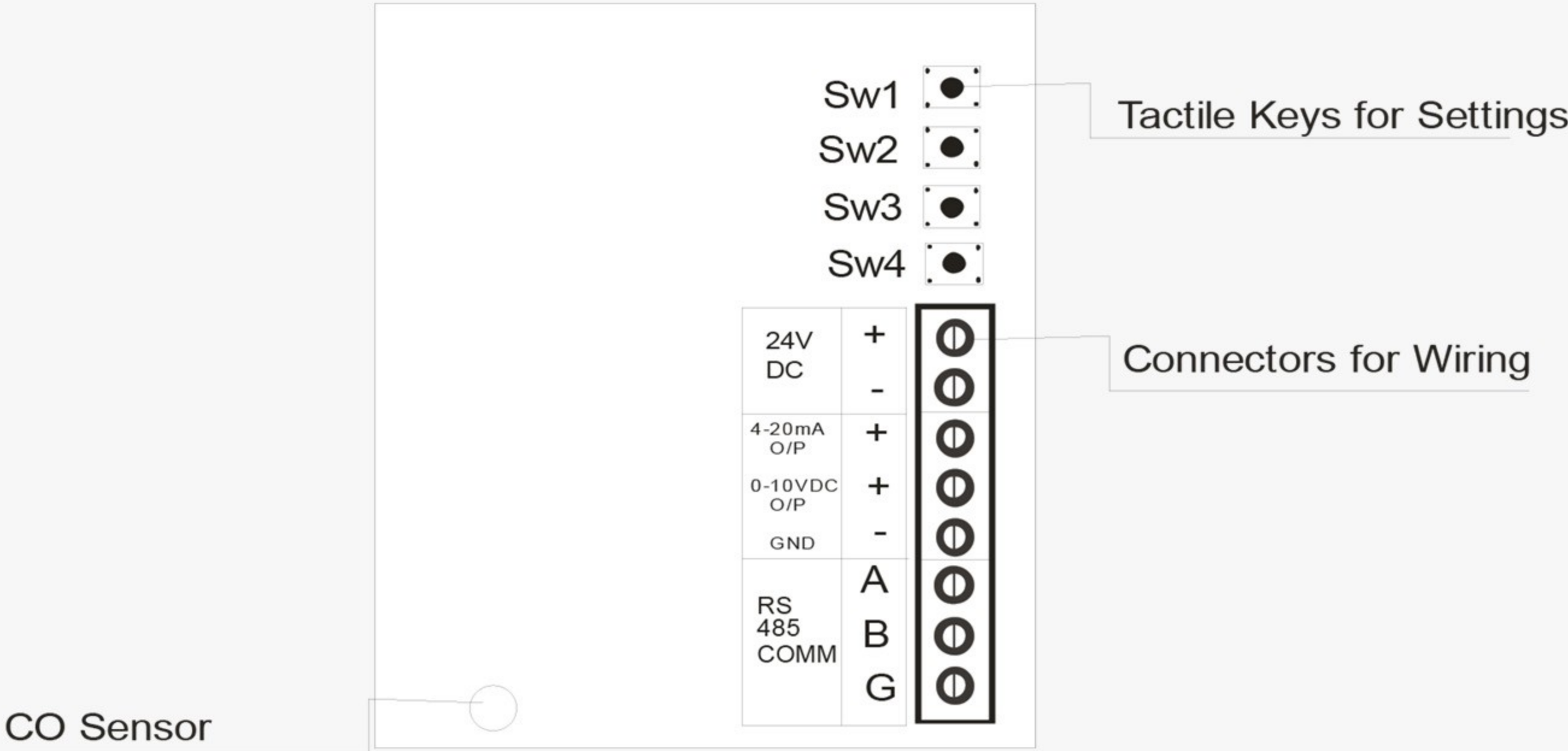
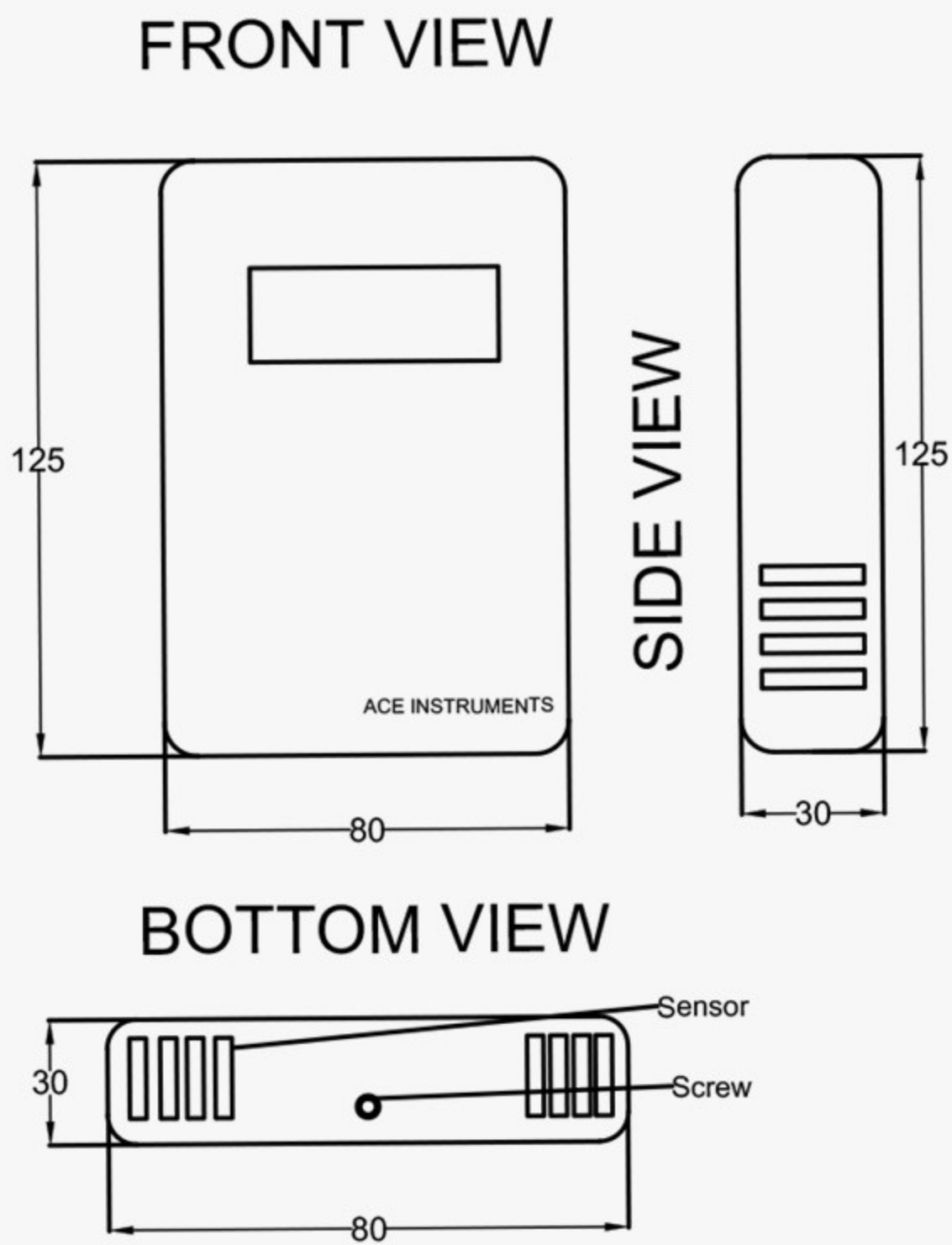
Features

- Swiss photoacoustic (PAS) sensor
- Available with/without display and duct mounting enclosure
- Range options up to 20,000 ppm
- LCD Display
- RS-485 Modbus communication (optional)
- Relay output (optional)
- Optional buzzer alarm

Specifications

Manufacturer	ACE
Range	Options: 0-2000ppm, 0-5000ppm, 0-10,000 ppm, 0-20,000ppm (selected at time of ordering)
Accuracy	±(40 PPM + 3% of Measured Value)
Output	4-20mA/ 0-10 VDC (User field selectable)
Display	4. digit LCD display
Relay	Optional single relay output (NO/CO/NC) Freely programmable Rated 2 amps
Storage Conditions	-10 to +60 deg. C
Size	125 (H) x 80 (W) x 30 (D) mm
Response Time	<3 minutes for 90% step change
Warm up Time	<2 minutes, 10 mins for max accuracy
PowerSupply	24 VDC, 200 mA
Communication Optional	RS-485 Modbus communication
Buzzer Alarm	Optional programmable in built buzzer alarm for high alarm, high high alarm and extreme high alar

Wiring & Dimensional Drawing



Certificates



Product compliance



Applications



Marine Vessels



Steel industries



Mining Industry



Parking Lot

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

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