

Overview

The **TxCDD34** uses advanced NDIR technology to accurately measure CO₂ levels through infrared light absorption, offering superior longevity and stability compared to electrochemical sensors. Featuring an industrial-grade design with wide voltage input and robust housing for harsh environments

Features

- Premium NDIR Sensor - Imported high-performance infrared detection
- Extended 5+ Year Lifespan - Oxygen-independent operation
- Built-in Protection - Waterproof breathable membrane blocks moisture
- Auto-Calibration - ABC logic ensures long-term accuracy

TxCDD34

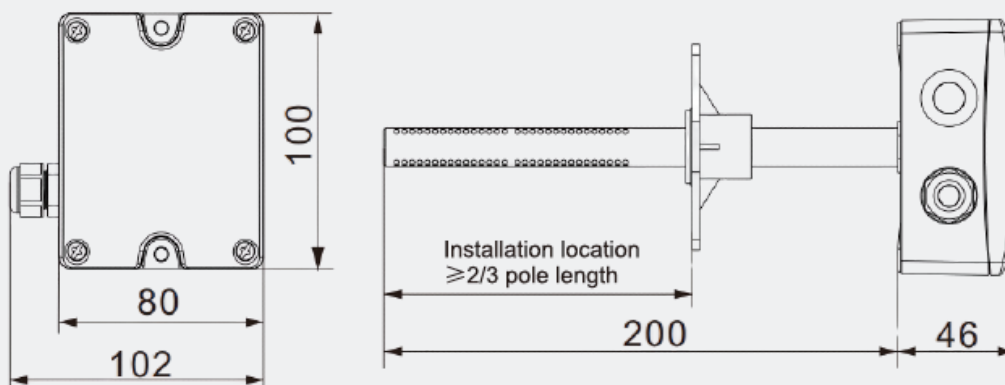
Duct Carbon Dioxide Sensor

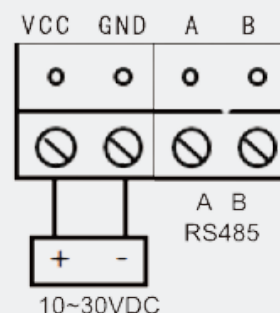
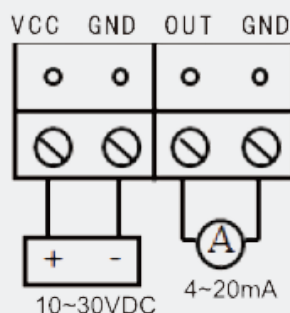
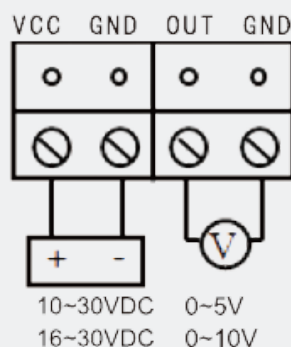


Applications

- HVAC duct monitoring
- Smart building ventilation systems
- Industrial air quality control
- Greenhouses and agricultural environments

DIMENSIONS AND WIRING



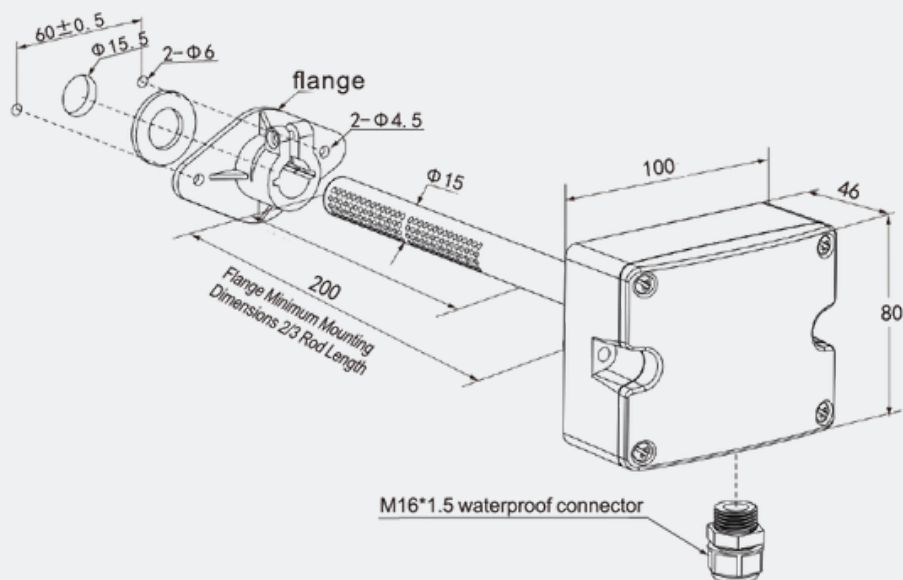


Specifications

Duct Carbon Dioxide Sensor

Sensor	NDIR sensor with ABC self-calibration			
Sensor life	>5 years			
Range	0-2000ppm/0-5000ppm			
Accuracy	$\pm(40\text{ppm} + 3\%\text{MV})\text{ppm}$			
Average Current	<40mA			
Response Time (T_{90})	2min			
Output signal	4~20mA(3-wire)	0~5V(3-wire)	0~10V(3-wire)	RS485(4-wire)
Power supply voltage	10-30Vdc	10-30Vdc	16-30Vdc	10-30Vdc
Working Temperature	0~50°C			
Working Humidity	0-85%RH(no condensation)			
Levels of protection	Shell IP65/Probe IP30			
Electromagnetic Compatibility	EN 61326-1			

Installation



Selection Code:

Code and description

TxCDD34

Duct Carbon Dioxide Sensor

2

2000ppm

5

5000ppm

V5

0~5V

V10

0~10V

A

4-20mA

RS

RS485Modbus

Remark

Model

Range

Output