BCS-36 Series Carbon Monoxide (CO_2) Sensor

Overview

The BCS-36 Series Carbon Dioxide sensors (CO_2) are suitable for detecting carbon dioxide concentration in air ducts and indoor environments, and supports multiple control signal outputs.

Features

- Excellent long-term stability and reliability
- Equipped with ABC self-calibration function
- Long service life
- Easy installation and maintenance-free

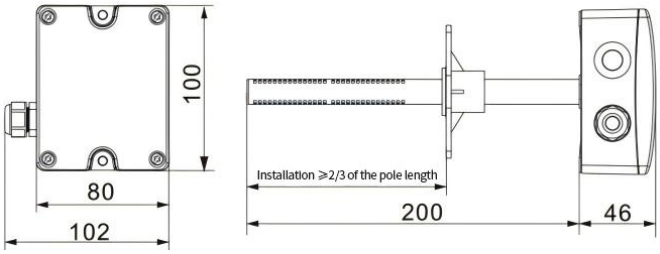
Specifications

Sensing Component	NDIR Sensor
Measuring Range	0~2000ppm
Sensor Accuracy	
Duct/ Room	± (40ppm + 3% MV) ppm
Wall mount	± (40ppm + 3% FS) ppm
Operating Environment	
Duct/ Room	0℃~50℃, 0%~85%RH (non-condensing)
Wall mount	-10℃~50℃, 0%~90%RH (non-condensing)
Responding Time	≤2 mins
Output Signal	0V~10V, 4mA~20mA, Modbus RTU (RS485)
Power Supply	
Duct & Room	10~30VDC（0~10V：16~30V）
Wall mount	4mA~20mA & 0V~5V/10V：15~36VDC/24VAC±20%； Modbus RTU(RS485)：10~36VDC/24VAC±20%
Storage Environment	-20℃~60℃, 0%~90%RH (non-condensing)
Certifications	CE, RoHS
Wiring	
Duct	Terminal applicable wire gauge 14-22AWG
Room	Terminal applicable wire gauge 14-22AWG
Wall mount	Direct outlet, cable length 60cm
Material	PC housing
Weight	NW: 178.8g (duct), 186g (wall), 96.5g (room) GW: 333g (duct), 240g (wall), 120g (room)

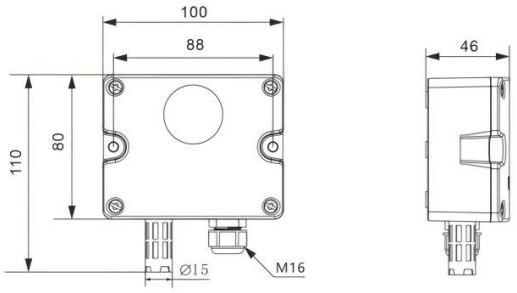
Ordering Information

Model No.	Output Signal/ Protocol	Protection Class	Application Occasion /Installation Method
BCS-36DV-100F	0V~10V	Housing: IP65 Probe: IP30	Duct mount
BCS-36DA-100F	4mA~20mA		
BCS-36DM-100F	Modbus RTU (RS485)		
BCS-36RV-100M	0V~10V	IP6X	Wall mount
BCS-36RA-100M	4mA~20mA		
BCS-36RM-100M	Modbus RTU (RS485)		
BCS-36RV-1D0W	0V~10V&4mA~20mA	IP30	Room (wall mount)
BCS-36RM-1D0W	Modbus RTU (RS485)		

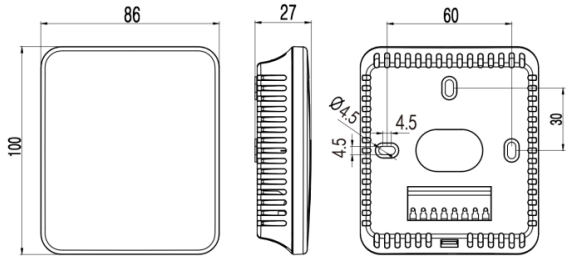
Appearance Dimensions



Duct



Wall Mount



Room