

Features

- High protection level for the front shell
- The LFG202 transmitter is oxygen-free and has a long service life
- Imported high performance NDIR sensor
- Waterproof membrane design can effectively prevent water vapor from entering

Description

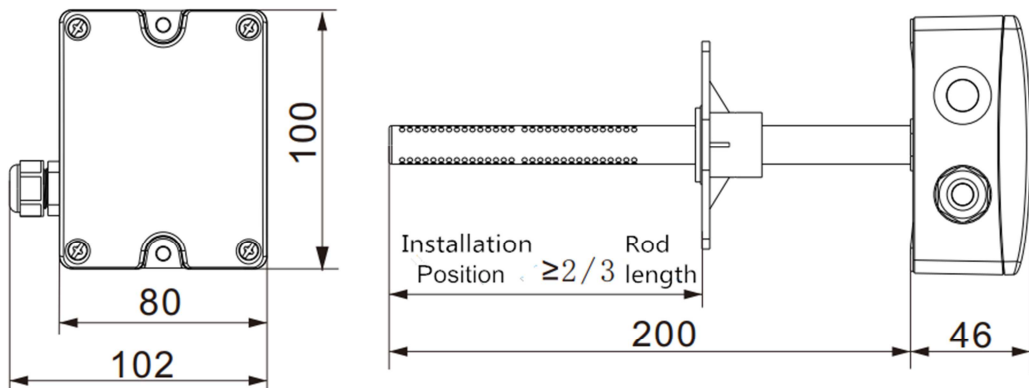
The LFG series CO2 transmitter is based on the different absorption capabilities of different gas for specific wavelengths of infrared light. It measures the concentration of the gas by the infrared light absorption.

Compared with electro-chemical sensors, it has the characteristics of long life and good stability. The imported high performance NDIR sensor, is with rapid response, stable performance; It is also with wide power supply range, flexible flange installation positions.

Specification

Output Mode	4~20mA (Three wired)	0~5V (Three wired)	0~10V (Three wired)	RS485 (Four wired)
Working Voltage	10-30Vdc	10-30Vdc	16-30Vdc	10-30Vdc
Sensor	NDIR sensor, With ABC self-calibration function			
Average current	< 40mA			
Working temperature	0°C~50°C			
Working humidity	0-85%RH (no condensation)			
Measure concentration	0-2000PPM/0-5000PPM			
Accuracy	($\pm 40\text{ppm} \pm 3\%MV$)ppm			
Response time(T_{90})	2min			
Protection Grade	Shell IP65/Probe IP30			
Lifespan	>5 years			

Dimension in: mm

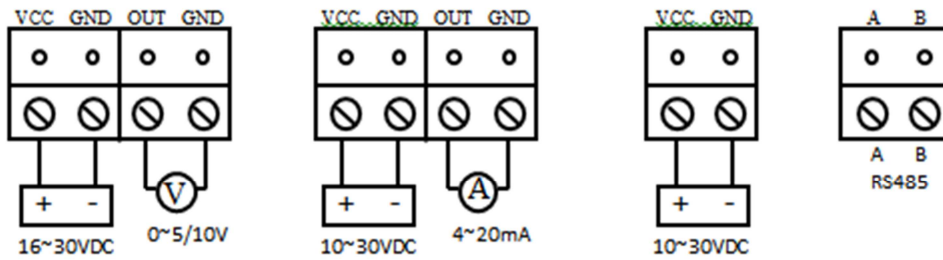


Selection instructions

Code and description		Remark
LFG202	Duct type Carbon dioxide	Model
1	2000ppm	Measurement Range
2	5000ppm	
V0	0~5V	Output
V10	0~10V	
A4	4~20mA	
RS	RS485/Modbus	
LFG202 - 1 - V10		Example

Wiring

The wiring methods will be different for different output. The following diagrams show the wiring methods of voltage output, current output, and RS485 output.



Installation

