KC-DC2 Duct Carbon Dioxide Transmitter



FEATURES

- Imported high-performance NDIR sensor
- The sensor is oxygen-free and has a service life of more than 5 years.
- The internal waterproof and breathable membrane design effectively prevents water vapor from entering.
- Good long-term stability and reliability, with ABC self-calibration

DESCRIPTION

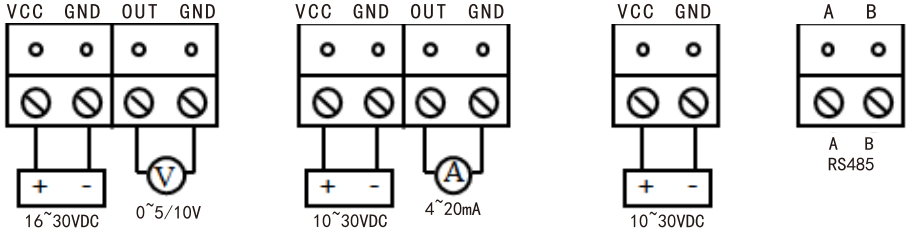
KC-DC2 Duct Carbon Dioxide Transmitter is based on different gases having different absorption capabilities for infrared light in a specific band. It measures the concentration of the measured gas by measuring the degree of infrared light absorption. Compared with electrochemical sensors, it has long life and good stability. The imported high-performance NDIR sensor is used for CO2 concentration measurement, with rapid response, stable performance and high accuracy; wide power supply range and high protection level of the shell, which can adapt to various harsh conditions on site. It can be widely used in the measurement of CO2 concentration in ducts, offices, factory workshops, laboratories and other environments.

SPECIFICATION

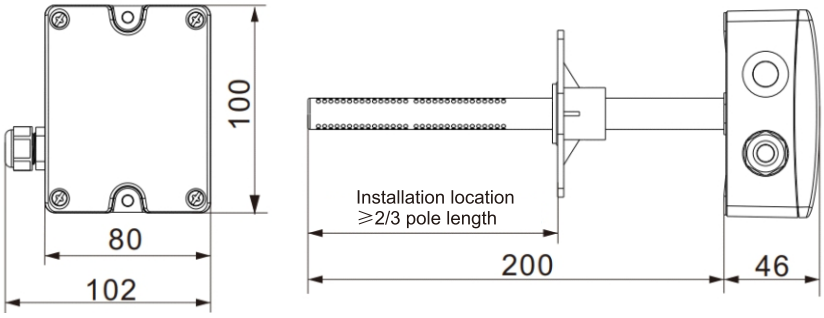
Output Mode	4~20mA(3-wire)	0~5V(3-wire)	0~10V(3-wire)	RS485(3-wire)
Working Voltage	10-30Vdc	10-30Vdc	16-30Vdc	10-30Vdc
Sensor	NDIR sensor with ABC self-calibration			
Average Current	<40mA			
Working Temperature	0℃~50℃			
Working Humidity	0-85%RH(no frost)			
Measure Concentration	0-2000PPM/0-5000PPM			
Accuracy	±(40PPm+ 3%MV)ppm			
Response Time	2min			
Protection Class	shell IP65/Probe IP30			
Electromagnetic Compatibility	EN 61326-1			
Service Life	>5 years			

WIRING INSTRUCTIONS

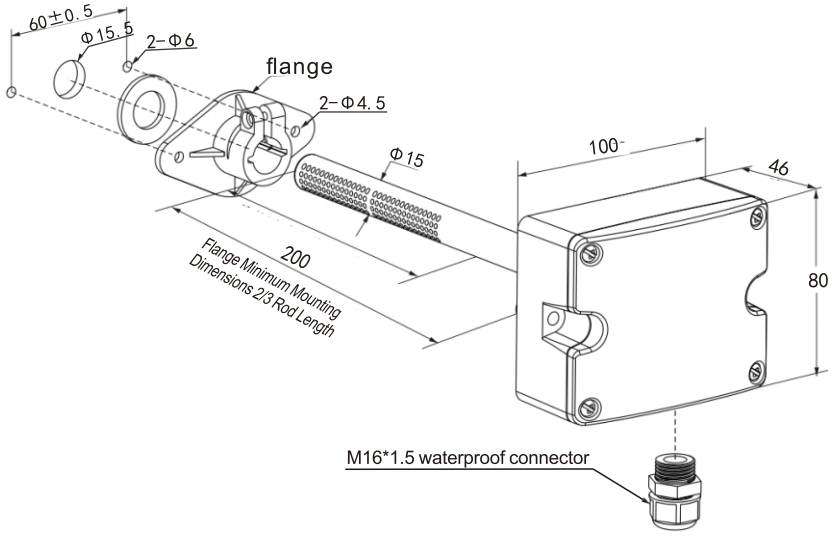
Depending on the selection, the wiring methods will be different. The following diagrams show the wiring methods of voltage output, current output, and RS485 output:



DIMENSION (mm)



INSTALLATION METHOD



ORDER REF NO.

Code and Description				Remark
KC-DC2	Ducted Carbon Dioxide Transmitter			Model
	1	2000ppm		Range
	2	5000ppm		
		V0	0-5V	Output
		V10	0-10V	
		A4	4-20mA	
		RS	RS485/Modbus	
KC-DC2 – 1 – V10				Model Example