

Infrared carbon dioxide sensor

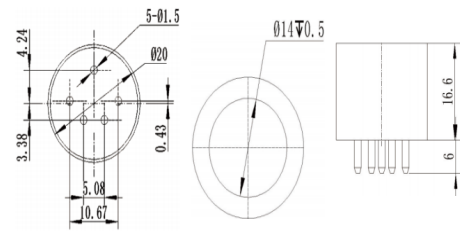
Model : MNS-QT221



Technical Specification Sheet

Operating Voltage	3.3~5VDC
Measurement range	0-2000ppm、0-5000ppm、0-1%vol、0-2%vol、0-5%vol、0-100%vol
Accuracy	±5%FS
Temperature compensation	Have
Average current	<85mA
Interface level	DC3.0V
Output signal	UART/0.4~2V
Warm-up time	180S
Response time	T90<30s
Operating Temperature	-20~60℃
Operating Humidity	0~95%RH(No condensation)
Lifespan	>5 years
Protection level	IP65
Weight	25g
Source terminal, communication terminal/ intrinsic safety parameters	Ui=7.5VDC, Ii=265mA, Pi=0.5W, Ci=10μF, Li=0mH

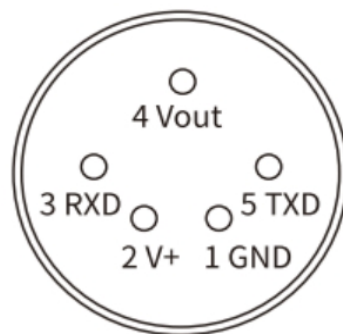
Structural dimensions



Product Features

- Provides multiple output modes such as UART, analog voltage, etc

Pin Name	Pin Description
Pin 1	GND
Pin 2	Vin voltage input
Pin 3	UART(RXD)Data input 0 - 3.0V
Pin 4	Vout(0.4~2V)
Pin 5	UART(TXD)0~3.0V data output"



- Excellent stability, resistance to water vapor interference, non-poisoning, high sensitivity, high resolution, low power consumption, and fast response time
- Temperature compensation

