JNC Outdoor Gas Detector

OA4

[Features]



- Small in size, light in weight, and waterproof quick connector, it's easy to install.
- With Automatic Temperature Compensation(ATC).
- RS-485 communication and Bluetooth(optional).
- It has software utility which can set ID/ Baud rate/ calibration and other functions.
- Outdoor louver shell design, accurate sensing, fast response and data transmission high efficiency.
- With 24VDC and 5VDC power supply mode.
- Optional options: TR/CO2/PM2.5/PM10/O2/NH3/H2S/dB/PR
- The device can calculate the Heat Index (HI) in real-time and provide the correspondi reading. (Temperature and humidity options are required.)
- JNC Cloud Box(optional) can directly transmit data to the cloud through NB-IoT.
- Optional JNC BT function can form a 100-point checkers-style wireless monitoring network.
- Noise meter complies with IEC 60942 calibration standard

[Application]: Orchid Garden、Greenhouse、Animal agriculture、Environmental monitoring、Factory self-management、Industrial safety

[Optional Code]

OA4 – Code 1 – Code 2 – Code 3

Code 1	Sensors(Multiple Choice)	Code 2	Communication	Code 3	Connector
TR	Temp/RH	N	RS-485	N	Bare Wire
TRHI	Temp/RH/Heat Index(HI)				
CO2	CO2				
P2	PM2.5				
P1	PM10				
O2	O2				
NH3	NH3				
H2S	H2S	BT	Bluetooth	C	Quick Connector
dB	Noise				
PR	Pressure				

[Specifications]

Power	◆DC input：9～36V ◆Power consumption：1.8W		
Environment	-10℃~60℃，0~100%(non-condensing)		
Communication	RS-485 Modbus RTU (optional Bluetooth)		
Housing Material	ABS anti-UV		
Installation	Louver wall mounting type	Certificate	CE ,FCC
Dimension (mm)	188X140/mm	Mounting bracket dimension	195x90×125.9mm
Weight	≦ 2 kg	Wire length	3 meters

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[Specifications]

Sensors Principle	Range	T90	Operating temperature	Resolution	Accuracy	Environmental equilibrium time
Temp (Resistance)	-40~125℃	<60 S	-20~60℃	0.1℃	±0.4℃	10min
RH (Capacitive)	0~100%	<60 S	-20~60℃	0.1%	±3%	10min
CO2 (Infrared)	0~10,000ppm	<120S	0~50℃	1ppm	±30ppm ±3% of Reading	10sec
PM2.5 (Laser)	0~1,000μg /m³	<90 S	-10℃~65℃	0.1 μg/m³	±10μg/m³±5% of Reading	5min
PM10 (Algorithm)	0~1,200μg /m³	<90 S	-10℃~65℃	0.1 μg/m³	±10μg/m³±5% of Reading	5min
O2 (Electrochemical)	0~30%	<60S	-10~55℃	0.05%	±1 of Reading	5min
NH3 (Electrochemical)	0-100ppm	<60S	-10~50℃	0.01ppm	±2%	5min
H_2S (Electrochemical)	0~100ppm	<60 S	-10~50℃	0.01ppm	±2%	5min

Noise Measurement Range	Frequency Range	Resolution	Accuracy	Operate Temperature
30 ~ 120dBA	20 ~ 20K Hz	0.1 dBA	≤±0.3dB	-20 ~ 60℃

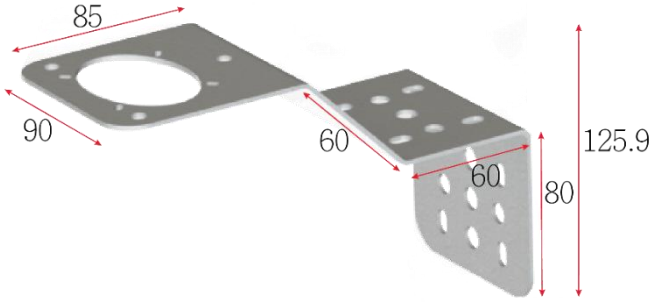
Pressure Range	Resolution	Accuracy	Operate Temperature
300 ~ 1100 hPa	1 hPa	± 1 hPa	-40 ~ +85℃

[Heat Index]

First level notice	26.7 ~ 32.2	Third level danger	40.6 ~ 54.4
Second level extra attention	32.2 ~ 40.6	Fourth level extremely dangerous	> 54.4

[Dimension] mm





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