

[Features]

- All-in-one design, easy to install.
- With automatic temperature compensation.
- RS-485 communication, Bluetooth communication is optional.
- With public software, functions such as ID/baud rate/calibration can be set.
- Wall-mounted shell design, accurate sensing, fast response, high data transmission efficiency.
- Multiple test items can be selected according to optional codes, with a maximum of 13 test items.
- The device can calculate the Heat Index (HI) in real-time and provide the corresponding hazard level for reading. (Temperature and humidity options are required.)
- The optional JNC Cloud Box can directly pass back to the cloud through NB-IoT.
- Noise meter complies with IEC 60942 calibration standard.



【Illumination diagram】

[Applications] Widely used in indoor air products, factories, processes, special pollution.

[Optional Code] ICW – Code 1 – Code 2 – Code 3

Code 1	Sensors (multiple choice)	Code 1	Sensors (multiple choice)	Code 1	Sensors (multiple choice)	Code 2	Communication	Code 3	Connector
TR	Temp / RH	P1	PM10(algorithm)	PID	Photoionization TVOC	N	RS-485	N	Bare wire
CO2	Infrared CO ₂	O2	O2	9	Gas nine-in -one (V- Semiconductor)				
P2	PM2.5	NH3	NH3	9-PID	Gas nine-in -one (V-PID)				
H	HCHO	H2S	H2S	dB	Noise				
CO	CO	NO2	NO2	PR	Pressure	BT	BT-Mesh	C	Quick Connector
V	TVOC	SO2	SO2	LUX	Illuminance sensor				
O3	O3	CH4	CH4						

[Specifications]

Power	Adapter	♦ AC input : 100 ~ 240V(50/60Hz)		♦ DC output : 12V maximum 2A current	
	Equipment	♦ DC input : 9 ~ 36V		♦ Power consumption : 1.8W	
Environment	-10℃~60℃ · 0~100% (non-condensing)				
Communication	RS-485 Modbus RTU				
Housing Material	Galvanized steel				
Installation	Wall mounted		Certificate	CE,FCC	
Dimension (mm)	220X85.7x54.2(mm)				
	With mask	220x99.65x54.2(mm)	Wire length	3 meters	
Weight	≤ 2.3 kg				

Sensors Principle	Range	T90	Operating temperature	Resolution		Accuracy	Environmental equilibrium time
Temp (Resistance)	-40~125°C	<60 S	-20~60°C	0.1°C		±0.4°C	10min
RH (Capacitive)	0~100%	<60 S	-20~60°C	0.1%		±3%	10min
CO ₂ (Infrared)	0~10,000ppm	<90 S	0~50°C	1ppm		±30ppm ±3% of Reading	10sec
PM2.5 (Laser)	0~1,000µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³		±10µg/ m ³ ±5% of Reading	5min
HCHO (Electrochemical)	0.01~2.00ppm	<120 S	-10°C~50°C	0.01ppm		≤±0.02ppm±2% of Reading	10min
CO (Electrochemical)	0~100ppm	<180 S	0°C~50°C	0.1ppm		±5ppm	10min
TVOC (Semiconductor)	0~60ppm	<90 S	0°C~40°C	Range	Resolution	±10%	5min
				≤2.008 ppm	1 ppb		
				≤11.11 ppm	6 ppb		
				≤60 ppm	32 ppb		
O ₃ (Semiconductor)	0.01~2.00ppm	<120 S	0°C~40°C	0.01ppm		±10%	10min
PM10 (Algorithm)	0~1,200µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³		±10µg/ m ³ ±5% of Reading	5min
O ₂ (Electrochemical)	0 ~ 30%	<60S	-10°C~55°C	0.05%		±1% of Reading	5min
NH ₃ (Electrochemical)	0-100ppm	<60S	-10~50°C	0.01ppm		±2%	5min
H ₂ S (Electrochemical)	0~100ppm	<60 S	-10~50°C	0.01ppm		±2%	5min
NO ₂ (Electrochemical)	0-20ppm	<60S	-0~50°C	0.01ppm		±2%	5min
SO ₂ (Electrochemical)	0-20ppm	<60S	-0~50°C	0.01ppm		±2%	5min
CH ₄ (Semiconductor)	0-100ppm	<90 S	0°C~40°C	0.1ppm		±10%	10min
PID100 (Photoionization)	0-100ppm	≤5S	-10~60°C	25ppb		±2% (Reproducibility)	≤60 sec

Noise measurement range	Frequency Range	Resolution	Accuracy	Operating Temperature
30~120dB	20~20K Hz	0.1dB	≤±0.3dB	-20-60°C

Atmospheric pressure measurement range	Resolution	Accuracy	Operating Temperature
300~1100 hPa	1 hPa	± 1hPa	-40~+85°C

Illuminance measurement range	Spectral range	Accuracy	T90	Repeatability	Operating environment
0 ~ 200,000 Lux	380nm ~ 730nm	±5%FS (25°C)	≤ 60S	<1%FS	Temperature : 0 ~ 50°C Humidity : ≤ 94%RH

[Dimensions]



[Mounting hole dimension]

