

[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.



【 Illumination diagram 】

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

[Optional Code] ICW - Code 1 - Code 2

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

[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°C~60°C · 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 meter	
Weight	≤ 2.3 kg				



[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

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%	10min
				≤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%	≤60 sec	

Pressure Range	Frequency Range	Resolution	Accuracy	Operating Temperature
30~120dB	20~20K Hz	0.1dB	3%Fs	-20-60°C

Pressure 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

[Mounting hole dimension]

