[Features]

- Make your Intelligent home with JNC SD device.
- SD is a single gas sensor. According to your request, you are able to choose the type of detection which you need, plug and play.
- Although the industrial-grade sensors are precise in measurement, but the price is too expensive. Even though industrial-grade sensors relate to life safety and livelihood in needs, they re not affordable for ordinary families. The JNC single gas sensor is manufactured by following high standards of the measurement of industrial instrument, and it apply to people's livelihood. Guard your health and life.
- SD is a gas early warning system which can be built on your own.
- The gas type and numerical value can be displayed, and the measurement type can be selected (you can choose one): temperature/ relative humidity /CO2/PM2.5/HCHO/CO /TVOC/O3/PM10/ O2..etc.
- Abnormal buzzer warning and reset button.
- The browser can monitor, and it don't need to download App and back-end server.
- It can be used for mobile and continuous monitoring.
- The new functions can be quickly upgrade by Wi-Fi.
- Built-in with a rechargeable battery, it lasts for 4 hours.

[Applications] housing、car、school、office、station、airport、hospital、art gallery、

IAQ public area inspection、environment on-site detection.

[Optional Code]

SD — [Code1] — [Code2]

SDBT — [Code1] — [Code2]
(Bluetooth)

Code 1	Sensors (Up to 4 selections)	Code 2	LCD display
TR	Temp / RH	N	None
CO2	CO2		
P2	PM2.5		
H	HCHO		
CO	CO		
V	TVOC		
O3	O3	L	LCD
P1	PM10		
O2	O2		
NH3	NH3		
H2S	H2S		
NO2	NO2		
SO2	SO2		
CH4	CH4		

[Specifications]

Power	Adapter	◆AC Input：100～240V(50/60Hz) ◆DC output：5V, maximum 2A	
	Equipment	◆DC Output：5V	◆Power consumption：≦3W
Environment	0~50℃，0%~95%(non-condensing)		
Communication	Wi-Fi(ModBus TCP)and RS485(ModBus RTU)		
Display Panel	0.96 inch LCD，Display measurement name, Numerical value and unit.		
Physical conditions	Dimension (mm)	104x135x40 (W x H x D)	
	Weight	128 g	
	Installation	Wall mounting /Portable /Desktop	
Housing	Material	ABS	
Certificate	FCC Part 15:Subpart B Class B CISPR 22:2008 Class B，EN55022:2010:Class B，EN55032:2012:Class B，EN61326-1:2013，IEC61000-4-2:2008，IEC61000-4-8:2009，IEC61000-4-3:2006+A1:2007+A2:2010		

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
CO_2 (Infrared)	0~10,000ppm	<120 S	0~50℃	1ppm	±30ppm ±3% of Reading	10sec
PM2.5 (Laser)	0~1,000μg/m^3	<90 S	-10℃~65℃	0.1 μg/m^3	±10μg/m^3±5% of Reading	5min
HCHO (Electrochemical)	0.01~2.00ppm	<120 S	-10℃~50℃	0.01ppm	≦±0.02ppm±2% of Reading	10min
CO (Electrochemical)	0~100ppm	<180 S	0℃~50℃	0.1ppm	±5ppm	10min
TVOC (Semiconductor)	0~300ppm	<90 S	0℃~40℃	0.01ppm	±10%	10min
O_3 (Semiconductor)	0.01~2.00ppm	<120 S	0℃~40℃	0.01ppm	±10%	10min
PM10 (Algorithm)	0~1,200μg/m^3	<90 S	-10℃~65℃	0.1 μg/m^3	±10μg/m^3±5% of Reading	5min
O_2 (Electrochemical)	0~30%	<60S	-10℃~55℃	0.05%	±1 of Reading	5min
NH3 (Electrochemical)	0-100ppm	<60S	-10~50℃	0.01ppm	±2%	5min
H2S (Electrochemical)	0~100ppm	<60 S	-10~50℃	0.01ppm	±2%	5min
NO2 (Electrochemical)	0-20ppm	<60S	-0~50°C	0.01ppm	±2%	5min
SO2 (Electrochemical)	0-20ppm	<60S	-0~50°C	0.01ppm	±2%	5min
CH4 (Semiconductor)	0-100ppm	<90 S	0℃~40℃	0.1ppm	±10%	10min