



CO2
controller



CO2
Monitor



Smart
CO2 Monitor



CO
Detector



Smart
IAQ Monitor



Nuclear Radiation
Detector



GZAIR DETECTORS



About GZAIR

GZAIR is devoted to offering advanced and innovative air quality monitors and detectors for customers. We have successively launched a series of IoT sensors such as CO2 sensor data loggers, air quality monitors, and other detectors. GZAIR CO2 sensor data loggers are suitable for a wide range of scenarios such as Greenhouse, Home, School, Hospital, Hotel, Restaurant, etc.



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Indoor Smart Wi-Fi Air Quality Monitor

GZAIR Smart air quality monitors allow you to track your indoor air quality anytime, anywhere.



GZAIR Smart indoor air quality monitors track multiple air pollutants in your living space, provide alerts, recommendations, and trigger air purification on demand.



CO2 controller



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PT02

Product Description

The PT02 is a Smart air quality monitor and IoT Controller. This multi-functional Air Quality Monitor detects air pollutants such as Carbon Dioxide (CO2), Total Volatile Organic Compounds (TVOC), Particulate Matter less than 2.5, and Particulate Matter less than 1.0 micron-sized particles as well as Temperature, and Humidity level.

Use it to build an IoT Air Pollution Control System and help to maintain a healthy indoor climate for you.

Features of Product



6-IN-1: Measure PM2.5, PM1.0, TVOC, CO2, Temperature, and Humidity, with a sensitive laser particle sensor, laser TVOC sensor, and accurate NDIR CO2 sensor.



Automatic & Manual Calibration: Offer two calibration modes, Manual Calibration, and Automatic Calibration. We have calibrated it manually in the factory, and it can automatically calibrate during the detection.



Wi-Fi Enabled & APP Smart Control: Smart PT02 can connect to the Internet, works seamlessly with Tuya App, Set alerts, receiving air quality measurements anytime and anywhere.



Wireless IoT Controller: Create a Smart Scene in the Tuya app, make PT02 control the Smart home appliances. First, you should add Smart PT02 and other Smart home appliances to Tuya APP. Then set the conditions. The PT02 monitor will activate Smart Fans, Air Purifiers, or other appliances in response to changes in your home's air quality.



Supports RS485/Relays Signal Output: The RS485 port and Relay port are located on the rear of the device. And the RS485 supports data export. The Relays can control the appliances directly (This function is only recommended for professional personnel or engineers.)



YT6928

Product Description

The YT6928 model is desktop indoor air quality PM2.5 monitor, mainly designed for household/offices applications. It is widely used in households, offices, etc...

Features of Product



Real-Time Measurements: Monitor indoors for dust, pollutants, and other fine particles small enough to enter the respiratory system. Update PM 2.5 data every 5 seconds to ensure healthy air for your family.



Wi-Fi Connection & APP Remote Control: Connect via 2.4G Wi-Fi to the Tuya Smart App for viewing the monitoring data. No matter where you are, you can monitor the indoor air quality of your house.



Data Logger & Export data: Keeps 7 days of PM2.5 history data on the APP. And it allows sending data to your email box. Click the link in the email to download the data file.



Colorful LCD Display – Clear identification to help monitor indoor PM2.5, temperature, and humidity with a 12- or 24-hour clock.



Easy to Set up: Simply plug the device into a USB Port to install. Connect it to the APP, and the unit is ready to use.



PT04

Product Description

The PT04 is a Smart vehicle air quality monitor. This multi-functional air quality monitor detects Carbon Monoxide (CO), Carbon Dioxide (CO2), Air Pressure, Temperature and Humidity level. You can make it stand on a table or mount it. Bring this unit for your next camping.

Features of Product



Multi-Sensors detector: Combines independent CO, CO2, Pressure, Humidity and Temperature sensors for accurately air quality detection.



Bluetooth Connected: Easily connect with your Smartphone (iOS, Android). All readings are transferred to the Smartphone for your analysis.



Unlimited data logging and memories: Built-in memory card is used to permanently record the measurement data.



Audible Alarm: Alarm Buzzer will beep when the CO/CO2 concentration level exceeds the upper/lower threshold value. For CO, sounds low level alert at 9 ppm and high level alert at 25 ppm. Easily turn off unwanted alarms with the Tuya Smart APP.



Power Supply: Built-in 3200mAh Li-Ion rechargeable battery-powered up to 48 hours operation. Also powered with USB power or 5V Adaptor.



PT02 PLUS

Product Description

The PT02 Plus air quality monitor is designed to help people with asthma and allergies. Via its smartphone app it will alert you with personalised notifications when levels of airborne contaminants & irritants (like animal dander, mold, toxins & pollen) are elevated. Thus, you can take action and optimise your environment.

Features of Product



ALL-IN-ONE AIR QUALITY MONITOR: The most advanced indoor air quality monitor measuring pollen, particulate matter (PM2.5 & PM1.0), carbon dioxide (CO2), carbon monoxide (CO), VOC (airborne chemicals), humidity and temperature.



Supports RS485: The RS485 port is located on the rear of the device. And the RS485 supports data export.



Allergy Symptom Tracker: The PT02 Plus air quality monitor is designed to help people with asthma and allergies. Monitor pollen and other pollutants in the air around you to avoid: Asthma attacks, sneezing, runny & stuffy nose, itchy & puffy eyes, sore throat, hayfever etc.



Wireless IoT Controller: Create a Smart Scene in the Tuya app, make PT02 control the home appliances via a smart plug. First, you should add Smart PT02 and smart plug to Tuya APP. Then set the conditions. Connect the home appliances with the smart plug. The PT02 monitor will activate Fans, Air Purifiers, or other appliances in response to changes in your home's air quality.



Wi-Fi Enabled & Free APP: Smart PT02 can connect to the Internet, works seamlessly with Tuya App, Set alerts, receiving air quality measurements anytime and anywhere. (Note: Use the 2.4 GHz Wi-Fi band)



Product Description

According to the EPA, radon gas has no smell, no color, no flavor, and is radioactive. It kills about 21,000 people annually in the US. Radon exposure is the main contributor to lung cancer among non-smokers.

GZAIR PT07 Radon Detector provides fast reliable detection and monitoring of the deadly invisible radon gas.

Features of Product



Leading Radon Counting Sensitivity: Using a patented radon detection technology, this unit delivers industry-leading radon counting sensitivity of 30 counts per hour per pCi/L.



Fast Results in Minutes: Innovative ion-chamber Radon Sensor, fast capture of fluctuating radon levels. First radon level reading in 10 minutes after power up. And it will update every 10 minutes.



Smart device: This upgraded smart radon detector can be connected to the Smartphone App, and all results are delivered securely to your Smartphone. Get hourly radon data and graphs anytime, anywhere with the Tuya App (iOS/Android), and Wi-Fi connectivity, which will pair with a 2.4G Network/Router.



Multiple Measurement Data: It shows real-time data on the screen. It also calculates and shows the average data per short-term (1 Day) and per long-term (7 Days).




Data Logging and Memories: Built-in 128 MB memory card can record data every 10 minutes. And it can continuously store radon data for 12 months. The data can also be downloaded to PC.




Alert Notifications: When the radon level is below the thresholds, the visual indicator is green. While it exceeds thresholds, the detector shows a yellow or red light with an alarm sound, and your phone will receive a notification.

Technical specifications


Product Image	
Model	PT02
Functions	CO2, TVOC, PM1.0, PM2.5, Humidity, Temperature
Sensor Type	NDIR Sensor
Measurement Range	CO2 Measurement Range: 400-5000ppm; TVOC Measurement Range: 0~20mg/m3; PM1.0 Measurement Range: 0~500µg/m3; PM2.5 Measurement Range: 0~500µg/m3; Temperature Measurement Range: -20°C~60°C; ±2 °C ; Humidity Measurement Range: 5%~95%RH; ±5%RH
CO2 Accuracy	± 50ppm or ± 5% of reading
CO2 Resolution	1ppm
Working Temperature	32°F ~122°F (0°C ~50°C)
Working Humidity	0-95% (non-condensing)
Display	LCD Screen
Power Supply	Plug-In/Rechargeable lithium battery
Battery Charging Time	4 hours
Voltage	DC 12V/2A
Dimension	7.1*1.5*4.7 inch (180mm*39mm*119mm)
Weight	17.6 ounces (500 g)
Material	ABS


Technical specifications

Product Image	
Model	YTG928
Functions	PM2.5, Humidity, Temperature
PM2.5 Measurement Range	0 to 999 µg/m3
PM2.5 Accuracy	0-100µg/m³: ±15 µg/m³ 101-500µg/m³: ±15% of Reading 501-999µg/m³: ±20% of Reading
PM2.5 Resolution	1 µg/m3
PM2.5 Measuring Interval	5s
Working Temperature	14°F ~ 122°F (-9.9°C ~ 50°C)
Display	LCD screen
Power Supply	Micro USB power cable
Input	100-240VAC, 50-60Hz
Output	DC5V, 1000mA
Case Material	ABS
Dimension	3.2*3.2*1.2 inch (81.5*80.6*30 mm)
Weight	4.4 ounces (125g)

Product Image	
Model	PT04
Functions	CO2, CO, Humidity, Temperature, Pressure
Measurement Range	CO2 Measurement Range: 400-5000PPM Resolution: 1PPM CO2 Measurement Accuracy: ±50ppm or ±5% of reading CO Measurement Range: 0-1000PPM Resolution: 1PPM CO Measurement Accuracy: ±10ppm or ±5% of reading Temperature Measurement Range: -10°C ~60; ±2°C Humidity Measurement Range: 5%~95%; ±5% Atmospheric Pressure Range: 300-1100hPa
Relative Accuracy	±0.12hPa
Absolute Accuracy	±1hPa
Altitude	+9000-500m
Sound Level	85dB (3M)
Working Temperature	0°C-50°C
Working humidity	0-95% (non-condensing)
Input Voltage	DC 5V/ 2A
Built-in Battery Capacity	3200mAh
Memory Card	128M
Weight	4.4 ounces (125g)
Datalogging Interval	5 min
Dimensions	4.3*3.5*1.6 inch (110*90*40mm)
Weight	13 ounces (370g)

Technical specifications

Product Image	
Model	PT02 Plus
Functions	Radon
Sensor Type	Pulsed ion chamber
First Sampling Data	10 min
First Accurate Result	1 hr
Data Update Interval	10 min
Sensitivity	30cph/pCi/L, 0.5cpm/pCi/L
Range	0.10-99.9pCi/L
Precision	< 10% at 10pCi/L(370Bq/m ³)
Accuracy	< ±10% at 10pCi/L
Connectivity	2.4GHz Wi-Fi
Alarm	Audible alert & Visual indicator
Radon Level Indicator	green, Orange, Red LEDs
Power	DC 12V/2A (12V DC Adaptor)
Operating Range	1~50°C, RH 80%
Product Size	80*80*123
Product Weight	349g

Product Image	
Model	PT02 Plus
Functions	CO ₂ , TVOC, PM1.0, PM2.5, Humidity, Temperature
Temperature Measurement Range	-20°C ~ 60°C; ±2 °C
Humidity Measurement Range	5% ~ 95%RH; ±5%RH
Co2 Measurement Range:	400 - 5000ppm
Co2 Accuracy	±50ppm or ±5% of reading
CO Measurement Range	0-999PPM
CO Accuracy	±10ppm or ±10% of reading
Co2/CO Resolution:	1ppm
TVOC Measurement Range	0~19.99mg/m ³
TVOC Resolution	0.01mg/m ³
Pollen Measurement Range	0~500µg/m ³
Pollen Accuracy	0~100µg/m ³ , ±25µg/m ³ ; 101~500µg/m ³ , ±25% reading
PM1.0 Measurement Range	0~500µg/m ³
PM1.0 Accuracy	0~100µg/m ³ , ±10µg/m ³ ; 101~500µg/m ³ , ±10% reading
PM2.5 Measurement Range	0~500µg/m ³
PM2.5 Accuracy	0~100µg/m ³ , ±10µg/m ³ ; 101~500µg/m ³ , ±10% reading
Pollen/PM1.0/PM2.5 Resolution	1 µg/m ³
Working Temperature	0° - 50 °C
Working humidity	0-95% (non-condensing)
Input Voltage	DC 5V/3A
Product Weight	1120g (Include package)
Product Size	180mm(L) * 39mm(W) * 119mm(H)

Indoor Carbon Dioxide (CO2) Meter

The Visual CO2 Monitor is designed to provide a clear indication of when further ventilation is required. Poor ventilation and increased levels of CO2 can reduce productivity, has long term adverse health effects, and can significantly increase the transmission risk of airborne viruses. There is 400ppm CO2 in air and we breathe out approximately 40,000ppm with each breath, so CO2 is the most reliable proxy for poor ventilation available in occupied spaces.



CO2 controller



CO2 Monitor



Smart CO2 Monitor



CO Detector



Smart IAQ Monitor



Nuclear Radiation Detector

GZAIR air quality monitor makes it easy to understand what's in your indoor air.

Install CO2 monitors to ensure a good and healthy living climate in the house.



MCH3


MCH3-B

Product Description

The MCH3 series utilizes dual-channel NDIR sensors for fast & accurate measurements of CO₂. The MCH3 series are touch screen carbon dioxide monitors. It makes CO₂ detection easier than ever. And the MCH3 series are desktop indoor CO₂ monitors, mainly designed for household/offices applications.

Features of Product

 **Dual-channel NDIR Sensor:** Provide high accuracy and fast measurement response.


 **Data Logger & Export data:** You can view up to 7 days of history reading. It allows you to change the tracking intervals to determine how often your device logs track points. And you can export data to a .txt file and save it on your PC.


 **Multiple Customization Options:** You can customize the screen feature according to your preference, such as language, brightness, color, etc.


 **PIN Code Access Feature:** You can set up a screen lock to help secure your device.


 **Flexible Touch Screen:** 3.5 inches large colorful TFT Capacitive Touch Screen, compact and elegant appearance.


Features of Product

 **Dual-channel NDIR Sensor:** Provide high accuracy and fast measurement response.

 **Data Logger & Export data:** You can view up to 7 days of history reading. It allows you to change the tracking intervals to determine how often your device logs track points. And you can export data to a .txt file and save it on your PC.

 **Dual Switch:** Use the Pushbutton to switch it on/off, and touch the starting icon for the operation to proceed, preventing children's access to turn off the device.

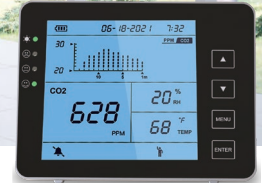
 **PIN Code Access Feature:** You can set up a screen lock to help secure your device.

 **Portable CO₂ Detector:** This device is powered by a USB port or 1800mAh rechargeable battery. A fully charged battery will result in almost 10 hours of use. You can take it to wherever you want to monitor air quality.

1200P



1200P-B



Product Description

The 1200P series are bench-top or wall mounting units. This series of products are applied to monitor CO2 concentration, RH, and temperature for indoor air quality. And it allows you to track trend data for up to 7 days on the visual chart. It is mainly used to monitor CO2 concentration in agricultural, and residence environments.

Features of Product



Accurate Detection: A High-Precision NDIR sensor is adopted in the detector. It works quickly, stably, and won't be affected by temperature or other conditions than outdated Chemosensor.



Data Logger with 2GB SD Card: All measurement data will be stored on the memory card, and the data can be downloaded to PC.



Two Detection Modes: Human and Plant. Human mode detects if you are in a healthy range. Plant mode detects whether the plant is growing in a good condition.



Tabletop or Wall Mount Use: Two-use way, Wall-mounted or Tabletop design. You can set it on a stand or mount it on the wall with a mounting hole on the back.



Automatic & Manual Calibration: Offer two calibration modes, Manual Calibration, and Automatic Calibration. We have calibrated it manually in the factory, and it can automatically calibrate during the detection.

Features of Product



NDIR Sensor: A High-Precision NDIR(Non-dispersive Infrared) Sensor for CO2 detection.



Portable CO2 Meter: It is powered by a USB port or 1500mAh rechargeable battery. A fully charged battery will result in almost 10 hours of use. You can take it to wherever you want to monitor air quality.



Data Logger with 2GB SD Card: All measurement data will be stored on the memory card, and the data can be downloaded to PC.



Two Detection Modes: Human and Plant. Human mode alerts for high CO2, Plant mode alerts for low CO2. You can also customize the alarm range.



Flexible Wall-mounted & Table-top Usage: It comes ready to sit on a flat surface like a table or shelf, but can also be mounted to a wall.

Product Description

The model 1300P is a bench-top or wall mounting unit. This product is used to monitor CO2 concentration, RH, and temperature in an indoor environment. It is also suitable for both monitoring CO2 and controlling CO2 enrichment in the greenhouse.



Features of Product



QUALITY DATA: High-quality NDIR precision sensor provides accurate readings; Visual system logs chart for up to a week for easy tracking



RECHARGEABLE BATTERY: Built-in USB-rechargeable battery can last for 10 hours on a full charge so you can take it with you wherever you need



DUAL DETECTION MODES: Offers both Human and Plant models, Human mode alerts for high CO2, Plant mode alerts for low CO2





VARIABLE MOUNTING: Flexible design lets you set the sensor on a tabletop or mount it to a wall for maximum convenience





ALL-IN-1 CO2 DETECTION: Handheld device measures temperature, relative humidity, and carbon dioxide levels with precision and rapid response

Technical specifications

Product Image		
Model	MCH3	MCH3-B
Functions	CO2, Humidity, Temperature	CO2, Humidity, Temperature
Sensor Type	Dual NDIR Sensor	Dual NDIR Sensor
NDIR Life Time	15 Years	15 Years
CO2 Measurement Range	0~5000ppm	0~5000ppm
CO2 Accuracy	±40ppm or ±2% of reading	±40ppm or ±2% of reading
CO2 Resolution	1ppm	1ppm
CO2 Measuring Interval	1, 5, 15, 30, 60 min. (optional)	1, 5, 15, 30, 60 min. (optional)
Display	3.5"color TFT screen - capacitive touch panel	3.5"color TFT screen - capacitive touch panel
Memory Capacity	7000 readings	7000 readings
Power Supply	Plug-In	Plug-In/Rechargeable lithium battery
Battery Charging Time	/	4~5 hours
Battery Standby Time	/	6~8 hours
Voltage	DC5V	DC5V
Working Temperature	33.8°F ~185°F (1°C~85°C)	33.8°F ~185°F (1°C~85°C)
Storage Temperature	/	/
Working & Storage RH	/	/
Dimension	3.8*3.4*1.3 inch (96*86*32.5 mm)	3.8*3.4*1.3 inch (96*86*32.5 mm)
Weight	7.1 ounces (200 g)	9.5 ounces (200 g)
Material	PC + ABS plastic	PC + ABS plastic

Technical specifications

Product Image			
Model	1200P	1200P-B	1300P
Functions	CO2, Humidity, Temperature	CO2, Humidity, Temperature	CO2, Humidity, Temperature
Sensor Type	NDIR Sensor	NDIR Sensor	NDIR Sensor
NDIR Life Time	10~15 Years	10~15 Years	10~15 Years
CO2 Measurement Range	0~5000ppm	0~5000ppm	0~5000ppm
CO2 Accuracy	± 50ppm or ± 5% of reading	± 50ppm or ± 5% of reading	± 50ppm or ± 5% of reading
CO2 Resolution	1ppm	1ppm	1ppm
CO2 Measuring Interval	5s	5s	5s
Display	LCD screen	LCD screen	LCD screen
Memory Capacity	2GB SD Card	2GB SD Card	/
Power Supply	Plug-In	Plug-In/Rechargeable lithium battery	Plug-In/Rechargeable lithium battery
Battery Charging Time	/	2.5~3 hours	2.5~3 hours
Battery Standby Time	/	8~10 hours	8~10 hours
Voltage	DC5V	DC5V	DC5V
Working Temperature	32°F ~122°F (0°C ~50°C)	32°F ~122°F (0°C ~50°C)	32°F ~122°F (0°C ~50°C)
Storage Temperature	-4°F ~140°F (-20°C ~60°C)	-4°F ~140°F (-20°C ~60°C)	14°F ~140°F (-10°C ~60°C)
Working & Storage RH	0-95% (non-condensing)	0-95% (non-condensing)	0-95% (non-condensing)
Dimension	4.7*3.5*1.4 inch (120*90*35 mm)	4.7*3.5*1.4 inch (120*90*35 mm)	4.7*3.5*1.4 inch (120*90*35 mm)
Weight	6 ounces (170 g)	6.7 ounces (190 g)	6.7 ounces (190 g)
Material	PC + ABS plastic	PC + ABS plastic	PC + ABS plastic

Indoor Smart Wi-Fi CO2 Meter



GZAIR Smart CO2 monitors keep you monitoring your indoor environment in real-time wherever you are in the world. Get alerts and notifications sent to your phone.



CO2 controller



CO2 Monitor



Smart CO2 Monitor



CO Detector



Smart IAQ Monitor



Nuclear Radiation Detector

Product Description

The PT01 series are Smart indoor CO2 monitors. They work with Tuya APP. You can view and monitor your indoor air quality on your phone anywhere, anytime. Most importantly, you can create a smart scene in Tuya APP and use this smart device to control multiple devices at the same time.



Features of Product



NDIR CO2 Sensor delivers high accuracy and fast response, Photoelectric smoke alarm responds quickly with a loud 85-decibel siren sound.



Wi-Fi Connection & APP Remote Control: Connect via 2.4G Wi-Fi to the Tuya Smart App for viewing the monitoring data and the alarm history. No matter where you are, you can monitor the indoor air quality of your house.



Protects during a power failure - It operates on a power source with 1400mAh rechargeable battery backup.



You can view up to 1 month of history reading with the trend chart in APP. All alert conditions are recorded in the alarm log.



Simply installs the monitor on the wall where you need it, connect the device to the app, and the device is ready to use. The device is auto-calibrating every 24 hours after power on. The zero point of automatic calibration is 400ppm.



Features of Product



3-IN-1 Multi-Function: Measure CO2, Temperature, and Humidity, with high accuracy NDIR sensor, 4-color visual indication for CO2 levels.



Wi-Fi Connection & APP Remote Control: Connect via 2.4G Wi-Fi to the Tuya Smart App for viewing the monitoring data and the alarm history. No matter where you are, you can monitor the indoor air quality of your house.



Real-Time Notification: Sound Warning Alarm on the device when CO2 levels reach or exceed a preset threshold. You will also be notified on your Smartphone whenever an alarm is triggered.



Auto-Calibration: To ensure the accuracy of the CO2 sensor, make sure it is placed in a ventilated environment for 24 hours before being used for the first time.



Power Supply: Built-in 1400mAh Li-Ion rechargeable battery-powered up to 8 hours of operation. Also powered with USB power or 5V Adaptor.



Product Description

With this Smart YT6920 CO2 monitor, you can real-time remote monitoring of the home environment through Tuya APP. And it allows simultaneously monitor your home air quality on all family members' phones. It will store the last seven days' data in the Tuya app.

Features of Product



Real-Time Measurements: Measure CO2 with high accuracy NDIR sensor, 3-color visual indication for CO2 levels. Update CO2 data every 5 seconds to ensure healthy air for your family.



Wi-Fi Enabled & APP Smart Control: Smart CO2 Monitor can connect to the Internet, works seamlessly with Tuya App. Set alerts, receiving air quality measurements anytime and anywhere.



Audible Alarm: Alarm Buzzer will beep when the CO2 concentration level exceeds the upper/lower threshold value.



Data Logger & Export data: - Keeps 7 days of CO2 readings history on the APP. And it allows sending data to email box via APP. Click the link in the email to download the data file.

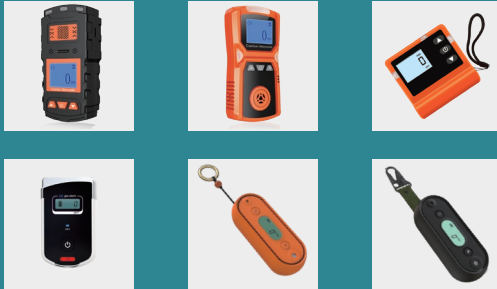


Colorful LCD Display – Clear identification to help monitor indoor CO2, temperature, and humidity with a 12- or 24-hour clock.

Technical specifications

Product Image			
Model	PT01	PT01-B	YT6920
Functions	CO2, Smoke, Humidity, Temperature	CO2, Humidity, Temperature	CO2, Humidity, Temperature
Sensor Type	NDIR Sensor	NDIR Sensor	NDIR Sensor
CO2 Measurement Range	400 ~ 5000ppm	400 ~ 5000ppm	400 ~ 5000ppm
CO2 Accuracy	± 50ppm or ± 5% of reading	± 50ppm or ± 5% of reading	± 50ppm or ± 5% of reading
CO2 Resolution	1ppm	1ppm	1ppm
CO2 Measuring Interval	/	/	5s
Display	LCD Screen	LCD Screen	LCD screen
Sound Level	85dB (3M)	/	/
Sensitivity to Smoke	0.1%db/m-0.3%db/m	/	/
Power Supply	Plug-In/Rechargeable lithium battery	Plug-In/Rechargeable lithium battery	Micro USB power cable
Battery Charging Time	4 hours	4 hours	/
Voltage	DC5V	DC5V	DC5V
Working Temperature	32°F ~ 122°F (0°C ~ 50°C)	32°F ~ 122°F (0°C ~ 50°C)	14°F ~ 122°F (-9.9°C ~ 50°C)
Dimension	4*2*5.5 inch (102*52*140 mm)	4*2*5.5 inch (102*52*140 mm)	3.2*3.2*1.2 inch (81.5*80.6*30 mm)
Weight	11.8 ounces (335g)	11.3 ounces (320g)	4.4 ounces (125g)
Material	ABS	ABS	ABS

Portable Carbon Monoxide (CO) Detector



GZAIR CO detectors keep your home and family safe.



CO2 controller



CO2 Monitor



Smart CO2 Monitor



CO Detector



Smart IAQ Monitor



Nuclear Radiation Detector



X-1



ADKS-1

Product Description

This monitor only detects (CO) Carbon Monoxide. It displays carbon monoxide(CO) concentrations as low as 1 ppm and features visual, audible and vibrating alerts, with low level (50 ppm) and high level (150 ppm) alert limits. Unlike other similarly priced CO detectors, our units are designed for long-term ownership. Rechargeable battery and full customer services are available. The manufacturer warranty is one year.

Features of Product



Handheld Carbon Monoxide detector with high precision CO sensor



Visual alarm, audible alarm, vibrating alarm, and real-time CO display from 1 to 1,000 PPM



Sounds a low-level alert at 50PPM and a high-level alert at 150PPM



Alarm memory feature records the highest level of CO



Protects during a power failure - CO detector operates on a 5V power source with a 3.7V 2000mAh rechargeable battery backup

Product Description

This monitor only detects (CO) Carbon Monoxide. It displays carbon monoxide(CO) concentrations as low as 1 ppm and features visual, audible and vibrating alerts, with low level (50 ppm) and high level (150 ppm) alert limits. Unlike other similarly priced CO detectors, our units are designed for long-term ownership. Rechargeable battery, full customer services are available. Manufacturer warranty is one year.

Features of Product



Handheld Carbon Monoxide detector with high precision CO sensor



Visual alarm, audible alarm, vibrating alarm, and real-time CO display from 1 to 1,000 PPM



Sounds a low-level alert at 50PPM and a high-level alert at 150PPM



Alarm memory feature records the highest level of CO



Protects during a power failure - CO detector operates on a 5V power source with a 3.7V 2000mAh rechargeable battery backup

X-1 (DGH)



Product Description

The X-1 (DGH) Carbon monoxide gas detector is a portable detector for detecting carbon monoxide (CO). It can continuously monitor the concentration of CO gas in the surrounding environment. Once the concentration of CO gas reaches the warning level, the warning will sound and emit light. This super lightweight, portable carbon monoxide detector is perfect for taking with you on the go.

Features of Product



Visual alert, audible alert, and real-time CO display from 1 to 1,000PPM



Built-in battery can last one year for this low-drain device



Sounds a low-level alert at 50PPM and a high-level alert at 150PPM



Portable & easy-to-use CO meter detects and measures concentration levels of carbon monoxide



It is equipped with a Backlight, Small form factor (2oz), one-year manufacturer warranty

SA103



Product Description

The GZAIR CO Alarm Model SA103 is the most sensitive CO detector you can buy and it is the best seller in the market. Be safe – Monitor the CO level in your home, boat, airplane or vehicle! Protect your loved ones from the effects of low-level CO poisoning at home!

Features of Product



Long-life electrochemical sensor, which can accurately and efficiently reflect the detection data on the screen



Visual, Audible, and Vibrating alarm when CO level reaches the warning set-point level



Continuous 2-year runtime with battery-powered



Portable & waterproof to IP67 standards and dustproof body, one-year manufacturer warranty



Designed for tents, boats, aircraft, stove heating, vehicles, and other confined spaces applications

SA-V1000



Product Description

The GZAIR CO Alarm Model CO-5 is considered one of the best “Low-Level” carbon monoxide detectors for consumers today. It is specifically designed for cars. Use this battery-powered detector to make sure your vehicle is safe from carbon monoxide.

Features of Product



Electrochemical sensor with a 5-year life



Continuous 9-month runtime with battery-powered
Continuous 9-month runtime with battery-powered



Visual alert, audible alert, real-time carbon monoxide concentration display



Easy to set and use with simple one-button operation



Designed primarily for Vehicles (i.e. trucks, SUVs, buses, aircraft, boat)

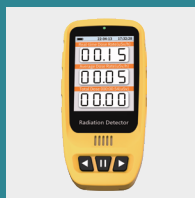
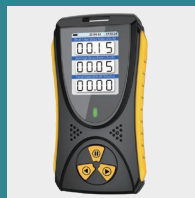
Technical specifications

Product Image			
Model	X -1	ADK5-1	X-1(DGH)
Detection range	0~1000ppm	0~1000ppm	0~1000ppm
CO Low Alarm	50ppm	50ppm	50ppm
CO High Alarm	150ppm	150ppm	150ppm
Alarm Type	Audible, Visual and Vibrating	Audible, Visual and Vibrating	Audible & Visual
Resolution	1ppm	1ppm	1ppm
Error Display (determined by the sensor)	±10% of reading	±10% of reading	±5PPM or ±10% of reading
Response Time: T<30s			
Indication: real-time data and system status will be displayed on the LCD screen.			
Working Environment: temperature of -20 °C ~50 °C; humidity of less than 95% RH (no condensation)			
Power Supply	Rechargeable lithium battery with capacity of 2000mAh	Rechargeable lithium battery with capacity of 2000mAh	CR2 3V
Battery Charging Time	6~8 hours	6~8 hours	/
Battery Standby Time	More than 8 hours	More than 8 hours	1 Year
Explosion-proof Sign	Ex ib IIB T3 Gb	Ex ib IIB T3 Gb	Ex ib IIB T3 Gb
Included Accessories	Steel clip	Steel clip	Lanyard loop
Size	4.4*2.2*1.2 inch (112*55*31 mm)	4.3*2*1 inch (110*50*25 mm)	2.6*2.6*0.8 inch (65*65*21 mm)
Weight	5.3 ounces (150g)	5.3 ounces (150g)	2.1 ounces (60g)

Product Image		
Model	SA103	SA-V1000
Detection range	0~1000ppm	0~1000ppm
Alarm point	50ppm	50ppm
Alarm Type	Audible, Visual and Vibrating	Audible, Visual
Resolution	1PPM	1PPM
Response time	T<20s	T<20s
Accuracy	±5% of reading	±5% of reading
Sensor: electrochemical sensor from Nemoto, Made in Japan, 5 years' lifetime		
LED indicator	Red alarm light	Blue power supply light and Red alarm light
Lifetime of batteries	2 years	Continuously working for about 9 months
Ingress Rating	IP67 (dust proof & water proof)	/
Operating Temperature	-13°F ~ 131°F (-25°C ~ 55°C)	14°F ~ 140°F (-10°C ~ 60°C)
Working humidity	10% ~ 90%RH	10% ~ 90%RH
Power Supply	Battery-powered, lithium 9V battery	2*CR2032
Included Accessories	lanyard loop	Metal chain lanyard, plastic protective
Size	4.3*1.8*1.3 inch (110*45*32 mm)	3*1.9*0.6 inch (76*49*14.7 mm)
Weight	4.4 ounces (125g)	1.8 ounces (50.8g)

Portable Nuclear Radiation Detectors

Use a personal radiation detector to identify threats and protect yourself and your community.



CO2 controller



CO2 Monitor



Smart CO2 Monitor



CO Detector



Smart IAQ Monitor



Nuclear Radiation Detector



HFS-10

Product Description

The Model HFS-10 is one small with high sensitivity radiation dosimeter. It is mainly used to monitor the X, β ray, and γ ray. It has the characteristics such as high sensitivity and accurate measurement; selecting and using the strong performance microprocessor and configured TFT 2.0 colorful screen, humanization design, and easy to operate. Furthermore, it has a strong anti-interference ability. With sound and light alarm function, the alarm threshold value can be reset by the user. The Alarm will sound when the reading reaches its threshold. Remind workers to pay attention to safety in time.

Features of Product



Handheld Nuclear Radiation Detector with high sensitive Geiger Counter sensor.



Combined Beta (β), Gamma (γ), and X-ray radiation detection, the measurement cycle is once every 2 seconds.



Real-time, Average, and Cumulative dose display (The background radiation level of this unit is 0.08uSv/h.)



Alerts users via audio and visual alarms when preset thresholds are exceeded.



Two Measuring Mode: Continuous Measurement & Timing Measurement. The Timing Measurement data will be automatically stored on the device.



HFS-P3

Product Description

The Model HFS-P3 product is one small with high sensitivity radiation dosimeter. It is mainly used to monitor X, β , and γ rays. It configured a white light OLED screen, visual at night. It has both sound and light alarm functions. And the alarm threshold can be set by the user. The main technical index of this unit is in accordance with national and international standards.

Features of Product



Use Geiger Muller tube counter for nuclear radiation. Detection range: 0.08 uSv - 50mSv.



Combined Beta, Gamma, and X-Ray radiation detection.



Provides audible and visual alerts if radiation is detected.



Rechargeable battery included. Chargeable via USB or wall or car charger.



Compact and Portable: Pen-type design, it can detect the radiation level of any object or any environment at any time, such as detecting the radiation of toys, antiques, building materials, furniture, decoration, food, etc.

Product Description

The Model FS300 has a built-in high-sensitivity Geiger counter as a sensor, which is mainly used to monitor the radiation of X, γ , and hard β rays in various radioactive workplaces. It has the characteristics of fast response and a wide measurement range.

Features of Product



Measures Gamma, Beta, and X-rays radiation. Detection range: 0.00~999 $\mu\text{Sv/h}$.



Real-time, Average, and Cumulative dose display; Alarm threshold display.



Alerts users via audio and visual alarms when the preset dose rate limit is exceeded. Alarm response time: 1 sec



Powered by two disposable/rechargeable AA batteries, or use the USB cable that came with the unit to power the device.



Widely applied in environment evaluation, scientific testing on samples like: building material, hospital radiation therapy monitoring for cancer, food, water, indoor/outdoor-ray, and more.



Product Description

The handheld HFS-20 radiation detector can be widely used in nuclear power plants, nuclear sewage, accelerators, isotope applications, industrial X γ , β Radioactive stone, marble, radioactive radiation, radioactive medical treatment, CT radiation, iodine 131, iodine 125, cobalt source treatment γ Personnel in the fields of radiation, radiation laboratory and environmental monitoring around nuclear facilities shall conduct personal safety protection monitoring and radiation prompt.

Features of Product



Measures Gamma, Beta, and X-rays radiation. Detection range: 0.08~50mSv/hr



Real-time, Average, and Cumulative dose display.



Provides audible and visual alerts if radiation is detected. Alarm response time: 5 sec.







Two Measuring Modes: Continuous Measurement & Timing Measurement. The Timing Measurement data will be automatically stored on the device.



Portable small device, fits in your hand. Newest geiger sensor from Doetooow.

Technical specifications

Product Image				
Model	HFS-10	HFS-P3	HFS-20	FS300
Sensor	GM Counter tube	GM Counter tube	GM Counter tube	GM Counter tube
Radiation detection	X, γ and hard β ray	X, γ and hard β ray	X, γ and hard β ray	X, γ and hard β ray
Measure range	0.05uSv-50mSv	0.05uSv-50mSv	0.08uSv~50mSv	0.00uSv ~ 99.0mSv
Measure precision	-17%...+25% based on 137Csγ	-17%...+25% based on 137Csγ	-17%...+25% based on 137Csγ	±10% (137Cs 1mSv/h)
Working Voltage	3.7-5V	3.7-5V	3.7-5V	/
Power Supply	1800 mAh rechargeable battery/USB power	2-3 hours 2-3 hours 240 mAh lithium rechargeable battery / USB power	750 mAh rechargeable battery / USB power	Two disposable/rechargeable AA batteries, or use the USB cable that came with the unit.
Battery Standby Time	20 days (continue measure and not open particle sound)	50 hours	14 days (continue measure and not open particle sound)	/
Charging Port	Type-C port (When the battery is charging, the color of the LED will remain green, once at 100% the LED will turn off.)	Type-C port (When the battery is charging, the color of the LED will remain green, once at 100% the LED will turn off.)	Type-C port (The color of LED will remain green when the battery is charging, once at 100% the LED will turn off.)	Micro-USB port
Alarm responding time td	<10s	<10s	<10s	<10s
Alarm threshold deviation	-17%...+25%	-17%...+25%	-17%...+25%	±10% (137Cs 1mSv/h)
Size	4.7*2.6*1.0 inch (120*65*25mm)	0.6*4.3 inch (15.3*108mm)	3.6*1.8*0.8 inch (90.3*45*20.3mm)	5.2*2.8*1 inch (132*70*25mm)
Weight	4.5 ounces (127 g)	0.7 ounce (19g)	2 ounce (58g)	3.8 ounce (107g)

GZAIR CO2 Controller



measures and maintains the CO2 level in a grow room and greatly increase yields.



CO2 controller



CO2 Monitor



Smart CO2 Monitor



CO Detector

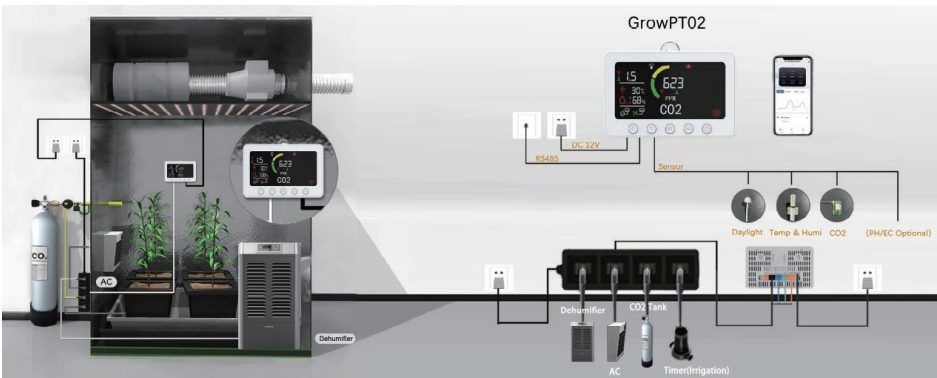


Smart IAQ Monitor



Nuclear Radiation Detector

Smart GrowRoom System



Product Description

This CO2 controller is designed for Mushroom Farms or Home Growers. It measures and maintains the carbon dioxide level in a grow room. It can also monitor humidity and temperature levels in a grow room. And when the photocell sensor detects light and the CO2 level is low, it will start the CO2 generator by turning on output power. Conversely, it will automatically turn off CO2 generator by turning off the output power during the night. Additionally, users can receive real-time updates from mobile app.

What's also great with Grow PT02 is, it can control CO2 regulator, AC and Dehumidifier for a grow room. It can be used for Indoor Growing, Urban Agriculture, Hydroponics, and Greenhouse Growing. Whether you want a greenhouse environment controller or a fully automated grow tent eco system, Grow PT02 got you covered.

Features of Product



4 IN 1 Controller: Built-in CO2, Light, Temperature, and Humidity sensors.



Output Control: The socket comes with the unit can control the CO2 regulator, Fan(AC), and Dehumidifier



2-Channel Low Drift NDIR Sensor precisely reads CO2 level.



Auto Detect Day and Night Function. Start the CO2 generator by turning on output power when the photocell sensor detects light. And shut off the CO2 device by turning off the output power when it senses darkness.




Smart Device: Receiving air quality measurements anytime and anywhere via APP on your smartphone.



Application: grow tent, grow room, growth chamber, greenhouse, raised beds

Technical specifications

Product Image	
Model	GrowPT02
Color	Silver/Black/White
Temperature Measurement Range	-20°C ~ 60°C; ±2 °C
Humidity Measurement Range	5% ~ 95%RH; ±5%RH
Co2 Measurement Range	0 ~ 10,000ppm
Co2 Accuracy	±50ppm with ±5% of readings
Co2 Resolution	1ppm
Daylight Sensor	0-200,000 LUX with ±0.01 Lux accuracy
Working Temperature	0° - 50 °C
Working humidity	0-95% (non-condensing)
Input Voltage	DC 12V/2A
Product Weight	1120g (Include package)
Product Size	180mm(L) * 39mm(W) * 119mm(H)
Single Output power line	RS485/Relays for CO2, Humidity, Temperature,

1600P



Product Description

The Day/Night CO2 Monitor & Controller lets you set high and low target CO2 levels. Using advanced hysteresis logic, when CO2 levels get too low, power is supplied to a CO2 generator or regulator via the built-in 100-240 VAC 5A piggyback power cord. When the target levels is reached, the power is turned off.

In addition, the CO2 Monitor & Controller has a built-in photo sensor that overrides the CO2 control and shuts off the CO2 when it senses darkness. Photosensor control saves dollars and energy by ensuring you'll only the supplying CO2 during the light cycle when it is needed.

Best of all, the CO2 Monitor & Controller is easy to install and use. Simply mount the unit inside your grow room, (all cables and hardware included), plug it into a standard wall jack, plug in your CO2 generator or regulator and it is ready to maximize your plant growing yields.

Features of Product



Dual-Channel Low Drift NDIR Sensor precisely reads CO2 ppm levels.



Auto Detect Day and Night Function. Start the CO2 generator or regulator by turning on output power when the photocell sensor detects light and the CO2 level is low. And shut off the CO2 generator by turning off the output power when it senses darkness.



Programmable CO2 zone value & CO2 center value allows you to set desired CO2 level for different plants




Wide HD screen to monitor CO2 levels, Time & Date simultaneously, Touch button operation, Water-proof treatment to the CO2 controller body & the sensor probe (Note: Please power off the unit when you connect the ports of the sensor and controller)



Remote CO2 sensor kit with photocell & 16' data cable lets you monitor CO2 levels from proper grow room locations. And the water-proof treatment sensor can work in a confined space.

Technical specifications

Product Image	
Model	1600P
Power Input	100VAC~240VAC
Output socket load	5A@250VAC (10A@120VAC)
Measured Range	0-5000ppm
Accuracy	0-3000ppm ±50ppm+5%reading ≥ 3000ppm ±50ppm+7%reading
Warm up time	30s (cold start) @ 25°C
Respond time	63% step changes < 2 min 90% step changes < 4.6 min
Operating temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage temperature	14°F ~ 140°F (-10°C ~ 60°C)
Operating&storage humidity	5-95% (non condensing)
Control unit Size	166 x 45.5 x 122 (mm)
Sensor unit Size	50 x 34.5 x 130 (mm)
Sensor detection rod	50 * 34.5 * 130mm
Weight	1500g
Usage	Agriculture/Factory/Warehouse



GZAIR Detectors

Learn your air quality, live a healthy life.



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