

USER MANUAL

CO-AIR QUALITY DETECTOR

PCE-AQD 5

ENGLISH



User manuals in various languages (français, italiano, español, português, niederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

PRODUCT DESCRIPTION

- 1 - Summer Mode
- 2 - CO Concentration
- 3 - Humidity
- 4 - G Button
- 5 - Power Button
- 6 - S Button
- 7 - Charging Port
- 8 - Temperature
- 9 - Alarm Icon
- 10 - Hole for Wall Mounting
- 11 - Battery Level
- 12 - Wrist strap



OPERATION

Turning On

You can press and hold the POWER button to turn on the device.

Note: After turning on the device, the gas sensor immediately begins to warm up to calibrate detection sensitivity and improve measurement accuracy. The warm-up process takes about 35 seconds, after which the sensor is ready for normal operation.

Turning Off

Press and hold the POWER button to turn off the device.

Screen Brightness

Press the G button to cycle through three screen brightness levels: high, medium, and low.

Temperature Unit

You can press the POWER button to switch the temperature unit between Celsius (°C) and Fahrenheit (°F).

Turn Alarm On/Off

You can press the S button to turn the alarm on or off.

Automatic Shutdown

If no button is pressed, the device automatically turns off the screen backlight after 60 seconds and enters power-saving mode. In power-saving mode, the sensor continues to operate and monitors the carbon monoxide concentration. You can press any of the three buttons briefly or for a longer period to turn the screen back on.

Low Battery Alarm

If the battery voltage drops below the operating voltage, the device emits a di-di-di audible alarm every minute. After the fifth alarm, the device automatically turns off.

CO CONCENTRATION ALARM

Depending on the CO concentration, the device displays a colored alarm icon on the screen and emits an audible alarm:

51 ... 100 ppm	The alarm sounds 3 times every 3 minutes	di-di-di
101 ... 200 ppm	The alarm sounds 5 times every 3 minutes	di-di-di-di-di
201 ... 999 ppm	The alarm sounds continuously. You can press the S button to stop the alarm.	

Note: If the sensor is not working, ERR will appear on the screen and the alarm will sound 10 times every 30 seconds.

SPECIFICATIONS

Measurement Range	
Carbon monoxide	0 ... 999 ppm (± 5 ppm)
Temperature	-10°C ... 50°C / 14°F ... 122°F ($\pm 5\%$)
Humidity	0 ... 95% RH ($\pm 5\%$)
Sensor Type	electrochemical sensor
Sensor Warm-up Time	35 seconds
Data Update Frequency	2 seconds
Power Supply	built-in lithium-ion battery (1000 mAh/3.7 V)
Charging Input	DC 5V/1A
Operating Environment	-10°C ... 60°C / 14°F ... 140°F / 20% ... 80% RH
Storage Environment	-10°C ... 70°C / 14°F ... 158°F / 20% ... 80% RH
Dimensions	90 x 55 x 17mm
Weight	80g

PRECAUTIONS FOR USE

- » Do not submerge the device in water or expose it to temperatures above 60°C. Keep it away from sources of fire.
- » This device is a precision measuring instrument; please do not disassemble it yourself.
- » Do not use this device frequently in places with poor air quality, such as dusty environments.
- » When measuring the temperature and humidity inside a car, do not leave the device in direct sunlight for extended periods of time.
- » At the end of its service life, dispose of the device and the battery at an appropriate recycling center. Do not throw the device away with regular household trash.

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

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