

WTC01 Instruction Manual

LA CROSSE®
TECHNOLOGY

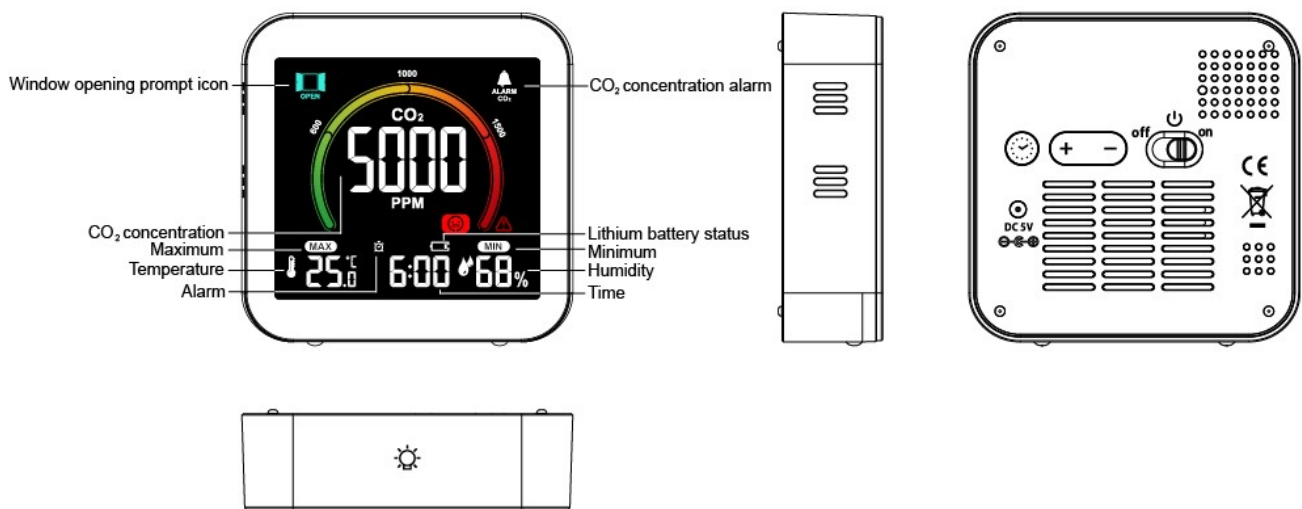
Technical data:

- ▶ Time, alarm clock, carbon dioxide concentration, temperature and humidity
- ▶ Carbon dioxide icon display
- ▶ Three-gear backlight function (high-medium-low-off)
- ▶ Power indication and charging indication of lithium battery
- ▶ 12/24 hours display
- ▶ °C /°F temperature unit display
- ▶ CO₂ concentration alarm function
- ▶ Manual baseline calibration and Automatic Baseline Calibration for CO₂ concentration
- ▶ Maximum and minimum values of temperature, humidity and CO₂ concentration recorded
- ▶ Temperature measurement range: -9.9°C (14.2°F) ~ +50°C (122.0°F)
- ▶ Humidity measurement range: 1% ~99%
- ▶ CO₂ concentration measurement range: 400~5000PPM
- ▶ Power supply: DC 5.0V \equiv 600mA

Important:

- ▶ After inserting the DC power supply, push the dial "⏻" to ON to start the product. At this time, all the ICONS on the screen will be displayed, and make a sound, and then enter the normal working mode. 60-second countdown appears on the screen, indicating that the CO₂ sensor is warming up.
- ▶ While using DC power supply, the lithium battery inside the product will be charged. When the DC is disconnected, it will be switched to lithium battery for power supply, or it can be directly powered on by lithium battery. A fully charged lithium-ion battery lasts about five hours of uninterrupted operation at maximum backlight.

LCD display:



Setting:

- ▶ Press and hold "⌚" for 2 seconds to enter the time setting. At this time, the 12/24 hour system flashes. Press " + " or " - " to adjust.
- ▶ Press "⌚" to confirm, then the hour flashes, press " + " or " - " to adjust.

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- ▶ Press "⏸" to confirm, then the minute flashes, press "+" or "-" to adjust.
- ▶ Press "⏸" to confirm, then the alarm hour flashes, and press "+" or "-" to adjust.
- ▶ Press "⏸" to confirm, then the alarm minute flashes, and press "+" or "-" to adjust.
- ▶ Press "⏸" to confirm, then °C /°F temperature unit flashes, press "+" or "-" to adjust.
- ▶ Press "⏸" to confirm and exit the setting mode, or you can also save the setting and exit the setting mode without pressing the button for 30 seconds at any time.
- ▶ If you need to add or subtract quickly during the setting process, you can press and hold "+" or "-" for more than 2 seconds for quick adjustment.

Alarm function:

- ▶ Press "⏸" to turn on or off the alarm function.
- ▶ The alarm clock lasts for 1 minute. You can touch "⏸" to enter the snooze function for 5 minutes, or press any other key to exit the alarm directly.

Maximum and minimum values:

- ▶ Press "+" to check the maximum → minimum → return to normal mode for temperature, humidity and CO2 concentration.
- ▶ If you press and hold "+" for 2 seconds while viewing the max and min values, you can clear the max and min values and start recording again.
- ▶ The maximum and minimum records will be automatically cleared and re-recorded at 0:00 each day.

Manual baseline calibration function:

- ▶ In normal mode, press and hold "+" for 2 seconds to enter manual baseline calibration preparation mode. At this time, you can press "⏸" to confirm entry, or press "+" or do not press the button for 30 seconds to exit manual baseline calibration preparation mode.
- ▶ The operation time of manual baseline calibration mode is 20 minutes. During the operation, you can press "+" to exit in advance.

Carbon dioxide concentration alarm:

- ▶ Press "-" to turn on or off the alarm function.
- ▶ Press and hold "-" for 2 seconds to enter the CO2 concentration alarm setting. The CO2 concentration value flashes, and press "+" or "-" to adjust.
- ▶ Press "⏸" to confirm and exit the setting mode, or you can also save the setting and exit the setting mode without pressing the button for 30 seconds at any time.

*****About manual baseline calibration and automatic baseline calibration of CO2 concentration:**


- ▶ Due to transportation, vibration, aging and other reasons, the carbon dioxide sensor may cause the zero drift and the detection accuracy is reduced. In order to restore the accuracy of the sensor, manual baseline calibration can be adopted to correct the drift. During the baseline calibration process, dispose of the product in an environment with an outdoor atmospheric CO2 concentration level (about 400ppm) to ensure that the CO2 concentration in the environment is stable.
- ▶ Due to transportation, vibration, aging and other reasons, the carbon dioxide sensor may cause zero drift and reduce the detection accuracy, so the sensor will correct the drift through the built-in automatic baseline calibration algorithm. About 2days after sensor start, will be stored within 2days minimum carbon dioxide concentration values, to amend the basic value of the atmospheric environment outdoor carbon dioxide concentration(about 400ppm), since the time of about 7days, will be stored within 7days of the lowest carbon dioxide concentration values, to amend the basic value of the atmospheric environment outdoor carbon dioxide concentration (about 400ppm).The cycle was then repeated for 7days.Please ensure that the CO2 concentration is reduced to the outdoor atmospheric level(about 400ppm) within about 2days after the sensor start and for each 7 days of continuous operation.
- ▶ Automatic baseline calibration function is suitable for office, home and other non-all-weather personnel





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activities and good ventilation environment. It is not applicable to agricultural greenhouses, farms, warehouses and other places.


Description:

▶ According to the change of carbon dioxide concentration, if it rises within one hour or more than or equal to 100 ppm, the arrow points up; if it drops within one hour or more than or equal to 100 ppm, the arrow points down; if it does not exceed 100 ppm within one hour, the arrow points flat.

▶ According to the current CO2 concentration value, there are four levels of ICONS: : 400~600 ppm;


: 601 ~ 1000 ppm; : 1001 ~ 1500 ppm; : 1501~2000 ppm;  flash: 2001 ppm and above


▶ when the co2 concentration is greater than 1500PPM, the screen will display  to remind the user to open the window for ventilation.

▶ when the co2 concentration is greater than 2000PPM, the screen will display  to remind users to pay attention to safety.

▶ Temperature, humidity, carbon dioxide concentration detection frequency is 5 seconds.

▶ Touch "☀️" to switch backlight level, a total of three levels (high - medium - low - off).

▶ When the built-in lithium battery voltage is low, there will be a low power symbol "" flashing on the screen, the product will turn off the backlight function, carbon dioxide detection function, etc. to ensure the continuous operation of the time function.

▶ In the process of lithium battery charging, the battery symbol "" is displayed scrolling, and the battery symbol is hidden after full.

▶ It is recommended to use DC power supply for a long time, and try not to use the built-in lithium battery to low power.

▶ During carbon dioxide detection, avoid product vibration and direct blowing of the sensor by strong winds, which may cause deviation of the carbon dioxide detection value.

LIABILITY DISCLAIMER:

- The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.
- Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.
- All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.
- As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points.
- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is designed for use in the home only as indication of the temperature.
- The plug on the power adapter (if included) is intended to serve as the disconnect device, the

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socket-outlet shall be installed near the equipment and shall be easily accessible.

- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children.
- No part of this manual may be reproduced without written authorization of the manufacturer.

ABOUT AC/DC POWER SUPPLY:

Do not use the device:

- if the power supply or the power cable is damaged,
- in the event of a malfunction,
- if the device has been damaged in any way.

Never use sharp objects to access the inside of the power supply.

Do not disassemble the power supply, do not throw it into a fire.

Do not attempt to disassemble or modify this product or any of its components. Do not expose the food to high temperatures or direct sunlight. Do not incinerate it. Do not install the power supply near any heat sources, such as a radiator, hot air supply, oven, or other apparatus (including amplifiers) that produce heat. Do not store this product in a place where the temperature exceeds the following range: - 10 to 70 ° C. Do not use this product in a location where the temperature exceeds the following range: 0 to 40 ° C, as this may damage it or shorten its life. Do not place the power supply near water or a source of moisture, such as a bathtub, kitchen sink, swimming pool, in a wet basement, or other damp locations. The device must not be exposed to splashes. Do not place objects filled with water, such as vases for example, near the appliance.

Connect the power supply into an easily accessible DC outlet. Ensure that the power cord can not be crushed or pinched, particularly at plugs, convenience receptacles, and the point where they are connected to the apparatus. The supplied power supply is intended for indoor use only.

Do not place naked flame sources (such as a lit candle) on or near the power supply. Unplug this power during lightning storms or during long periods of non-use to avoid damage. Turn off your device before disconnecting the power cable. This device is not intended for use by people (including children) whose physical, sensory or mental capabilities are reduced, or people without experience or knowledge, unless they could benefit ,by the” through a person responsible for their safety, surveillance or prior instructions concerning the use of the device. Children should be supervised to make sure that they do not play with the device. If the power supply works abnormally, and especially if it emits sounds or odors that you think are abnormal, unplug it immediately and have it examined by a qualified repairer. The socket-outlet must be installed near the equipment and must be easily accessible.



RED DIRECTIVE 2014/53/EU

Summary of the Declaration of Conformity: We hereby declare that this wireless transmission device does comply with the essential requirements of RED Directive 2014/53/EU.

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