



GEMORO

WATCH & BATTERY TESTER MANUAL



The **GEMORO WBT21** is a handy device that will check the voltage of loose silver oxide, lithium and alkaline watch batteries under the appropriate load conditions. It will also allow you to check to see if the battery is working, without opening the watch!

BATTERY REPLACEMENT

To power the tester, install a fresh CR2430 3V lithium battery, positive side up, into the battery compartment located on the bottom of the tester. First remove the red plastic battery compartment cover, and then the metal safety cover by loosening this screw and rotating the cover out of the way.



CAUTION

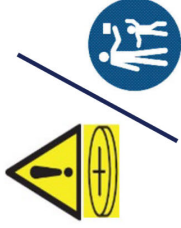
- Keep all button and coin cell batteries away from small children.
- Keep batteries in original package until ready to use.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death. "Call a local poison control

center for treatment information.”

- Ensure the batteries are installed correctly according to polarity (+ and -).
- This device uses a consumer replaceable 3V Lithium coin cell #CR2430.
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- “Non-rechargeable batteries are not to be recharged.”
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.
- Do not force discharge, recharge, disassemble, heat above (manufacturer’s specified temperature rating) or incinerate the battery. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- If you suspect that batteries have been ingested or inserted into any body cavity, seek medical attention immediately. Call your local poison control center for treatment information.
- Never immerse in liquid.
- Keep away from direct sunlight and heat sources.
- This device uses sensitive components which could become damaged if dropped or mishandled, voiding the warranty.

⚠️WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- Clean the battery testing contacts periodically with an alcohol-moistened cloth.
- For best results, avoid using the device near computer displays and motors.

WHAT TYPICALLY HAPPENS

Your customer comes into your store, and hands you their watch and says, “My watch is not working, I think I need to have the battery replaced.” Should you open the watch? Maybe...

WATCH TEST FUNCTION

To determine if an Analog Quartz Watch needs repair or just a simple watch battery replacement, the WBT21 can help! Without it, you could spend time performing a watch battery replacement and the watch could still refuse to work.

GEMORO tester’s state-of-the-art sensor allows you to check if the watch is getting power from the battery without opening the watch. The WBT21 is designed for testing only analog quartz watches, and it cannot be used to test electronic watches without hands, or mechanical watches that do not use a battery.



Quartz Watch With Second Hand



Quartz Watch Without Second Hand



Mechanical Watch



Electronic Watches Without Hands



Place the watch face down on the sensor where indicated “PLACE WATCH HERE.” You can also perform this test with the watch face up, without having to remove the watch strap. To begin the test with the watch properly positioned, press the “START WATCH TEST” button.

If the sensor detects a working battery, the **GEMORO** tester’s bright LED will light up, and a beep will sound. If the battery is working, and yet the hands fail to move, the watch requires service. If there is no beep or flash, the watch battery is not working. If there are no visible signs of damage to the watch, like a broken watch crystal or missing crown, it is time to open the watch up to replace the battery!

NOTE: There may be long intervals between beeps and light flashes when testing watches without a second hand.

The “Watch Test” will automatically turn off after 2 minutes of usage. If the LED fails to light up when the “Start Watch Test” button is pressed, replace the spent battery in your WBT21 with a fresh battery.



GEMORO®

WATCH & BATTERY TESTER

PULSE
INDICATOR



START
WATCH TEST



BATTERY TEST FUNCTION

The WBT21 is capable of testing silver oxide, lithium and alkaline button cell batteries. There is a switch on the side of the tester that must first be adjusted to the proper position to apply the appropriate load for the type of battery being tested.



THERE ARE 3 TYPES OF PRIMARY WATCH BATTERIES



Silver oxide batteries resemble a button, and usually start with SR followed by a 2, 3 or 4 digit number, or three numbers starting with a 3.



Alkaline batteries also resemble a button, and usually start with LR, a 1, or an A.



Lithium batteries resemble a coin, and usually start with CR or BR, followed by numbers which indicate the battery size in millimeters.

To perform a battery test, always place the battery positive side down (with the writing side facing down) on the center of the metal terminal under the metal spring tab, and then press the tab down to make contact with both sides of the battery under test.



The meter will indicate the battery voltage, in the zone for each particular battery type. Green indicates that the battery is good, and red indicates that the battery is spent, and should be replaced with a fresh battery.



For assistance with your **GEMORO WBT21** Watch & Battery Tester or to learn more about proper battery recycling, please contact your battery supplier or inquire using the following link or QR code.

<https://www.sykessler.com/batteries-homepage/>

NOTICE: We suggest covering used lithium battery terminals with tape before storing them for recycling. Spent silver oxide batteries contain silver and therefore are considered valuable scrap.

HELPFUL SUGGESTION: If the watch fails to function after a battery replacement, there may be a contact problem which could be corrected by removing and reinserting the fresh battery. If the watch continues to fail, it should be serviced by a watchmaker.

**GEMORO WATCH &
BATTERY TESTER**
Model #WBT21

Use this QR code to watch
a short instructional video!





Dangers with Button Batteries:

- Button cell or coin batteries are associated with thousands emergency department visits every year.
- The consequences of a child swallowing a battery can be immediate, devastating and deadly.
- A button cell battery can burn through a child's throat or esophagus in as little as two hours if swallowed.

Avoid swallowing button cell or coin batteries:

- Never put button cell or coin batteries in the mouth for any reason. Button cell and coin batteries are easy to swallow accidentally.
- Adults have swallowed button batteries mistaken for pills or tablets. Visually confirm that you are swallowing medications before taking them.
- If a button cell or coin battery is swallowed, immediately seek medical attention.

<https://www.cpsc.gov/Safety-Education/Safety-Education-Centers/Button-Cell-Coin-Battery-Information-Center>



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