UT25A, UT25B, UT25A/B Operations Manual

UT25A, UT25B as circuit breaker finder/receiver
UT25A/B as socket tester/transmitter

Overall Appearances of Circuit Breaker Finder & GFCI Socket Tester:

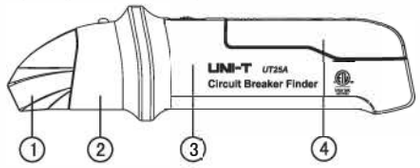


Product Description

Receiver

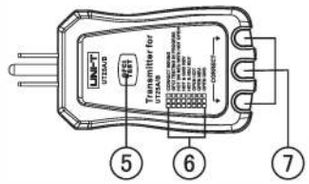
1. NCV indicator light (only for UT25B)
2. LED indicator light with line-tracking
3. ON/OFF switch that can also adjust sensitivity
4. 9VDC, battery type 1604/6F22

Attention: The battery information on the battery compartment and the method of opening the battery compartment



Transmitter

5. GFCI test button
6. Indicator light description
7. LED status indicator



⚠	When this symbol appears, the operator should refer to the Operations Manual to avoid personal injury or damaging the meter.
WARNING	When this symbol appears, it hints that there could be potential danger which might lead to severe injury or death or if the danger is not avoided.
CAUTION	When this symbol appears, it hints that there is potential danger which might damage the product if the danger is not avoided.
ETL Intertek 4007882	Conforms to UL STD. 61010-1, Certified to CSA STD C22.2 NO. 61010-1

Product Specification for UT25A and UT25B

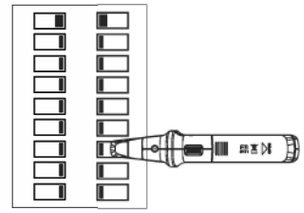
NCV working voltage---------- 80V(only for UT25B)
Operating voltage---------- 90-120V
Operating frequency---------- 50-60Hz
Power---------- 9VDC, battery type 1604/6F22
Operating temperature---------- 41'F - 104 'F (5'C - 40'C)
Storage temperature---------- 4'F - 140'F (-20'C - 60'C)
Operating humidity---------- at most 80% at temperature of 87'F (31 'C) to 50% at temperature of 104'F (40 'C) Storage humidity---------- <80%
Operating altitude---------- 7000 feet (2000m) at most
Product weight---------- 133g (UT25A, UT25B)
80g (UT25A/B)
Product size---------- L:192xW:54xH:28mm (UT25A, UT25B)
L:103xW:56xH:30mm (UT25A/B)
Product certification---------- ETL
ETL list---------- ETL mark does not indicate the accuracy of estimated readings

Operations

Warning: Make sure that the circuit is functioning properly before using.

Warning: Make sure the user understands about the equipment.

Find the location of circuit breaker or circuit protector on the power frequency circuit loop, the transmitter will then send out a signal which will be received by the receiver. The receiver will detect this signal which is making beeping sounds, the exact position of circuit breaker or circuit protector can be found by adjusting the sensitivity.



(Detection Image of Receiver)

1. Plug the receiver into a live socket; two green LEDs will shine.
2. Unscrew the sensitivity adjusting knob on the receiver from the close position to the highest position, the red LED will be turned on. If the red LED did not turn on, please change the battery. It is also necessary to change the battery if the NCV indicator light and line-tracking light are both blinking (only for UT25B).
3. During the testing process, when the receiver is close to the transmitter, the receiver will make beeping sounds and the LED will blink. UT25B (only) will firstly determine if there is electricity or not. If there is an AC voltage higher than 80V, the NCV indicator light will blink and make beeping sounds. When it detects signal sent out by the transmitter, it will automatically test the line-tracking function.
4. On the circuit breaker panel, adjust the sensitivity to the highest position, hold the receiver and detect from top to bottom, as shown in the figure above.
5. Along with the surface of circuit breaker, move the receiver until it detects the portion of interest.
6. When moving the receiver, the sensitivity can be reduced to find the exact circuit breaker of interest.

Product Specification for UT25A/B

Working voltage ---------- 110-125V
Operating frequency ---------- 50-60Hz
Fuse ---------- 1A, 250V, Ø4x11mm

WARNING: If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Indicator Light Description:

CORRECT WIRING	● ○ ●
GFCI TESTING IN PROGRSS	● ● ●
HOT ON NEU WITH HOT OPEN	○ ● ○
HOT & GND REV	○ ● ●
HOT & NEU REV	● ● ○
OPEN HOT	○ ○ ○
OPEN NEU	○ ○ ●
OPEN GND	● ○ ○

○ OFF ● ON

1. Plug the transmitter into the socket.
2. The operator can determine the status of circuit connection according to the 3 LEDs. The picture above shows all of the circumstances that can appear on the detected circuit. The picture is observed from the side of GFCI buttons. If it is observed from the other side, the order of LED indicator lights will be mirrored.
3. This equipment cannot detect the ground connection if there are 2 hot wires, a combination circuit, or the ground and neutral wires are reversed.

GFCI Test on Socket:

1. Before using this equipment, press GFCI button to check if it can return to the original position. If not, please do not plug the equipment into electrical circuit, and ask for a professional electrical engineer for help. If the button works, please press the button on the socket.
2. Plug the transmitter into socket and check if the circuit is connected correctly.
3. Press GFCI button for at least 8 seconds, the indicator light will be turned off when the GFCI button is released.
4. If the circuit did not reset the GFCI button, it could be that the GFCI button is correct, but the wire connection is not. Or it could be that the wire connection is correct, but the GFCI button is not.

Changing Battery:

1. When the battery voltage is lower than the working voltage, the indicator lights on the receiver will not be turned on, please change the battery. If the NCV indicator and the line-tracking lights are both blinking (only for UT25B), please change the battery as well.
2. Slide open the battery cover according to the arrow direction on the battery cover and take out the used battery.
3. Install a new 9V battery while paying close attention to the battery polarity.
4. Close the battery cover.
5. Put the used battery in a special battery disposal area.

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说明书菲林做货要求：

序号	项目	内容
1	尺寸	尺寸95×210±1MM　3折单页
2	材质	60g书纸
3	颜色	单色单面印刷
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。
5	装订方式	无
6	表面处理	无
7	其它	无
版本		REV.2 修改成股份有限公司

DWH 设 计	黄荣伟2018.06.25	MODEL 机型：UT25A/B英文	Part NO. 物料编号：110401105608X
CHK 审核		UNI-T® 优利德科技(中国)股份有限公司 UNI-TREND TECHNOLOGY（CHINA）CO., LTD.	
APPRO. 批准			