

- ### Supplied material
- User's manual
  - Power adapter
  - (Accessories)

### user's manual

Please read the manual carefully before using this product. This product should be applied by someone with a certain level of electrical knowledge. Please read and make sure that you understand how to operate the product before using it. Please keep this manual readily accessible for future references when needed.

### warning

- ⚠ Please comply with the warnings indicated before:
  - ⚠ Please do not exceed maximum rated voltage during usage in order to prevent tester malfunction or fire.
  - ⚠ Please do not apply AC power supply to avoid breakage.
  - ⚠ Please do not subject the product to high temperature to avoid scalding.
- The product contains a non-removable Li-Ion battery. For the delivery of the product, follow National and IATA regulations.

### precautions

- Comply with the warnings indicated below for they are important:
- Please do not use it in flammable or explosive environments.
  - Please do not use it in environments with water, oil, chemicals or steams.
  - Please do not disassemble, repair or alter this product.
  - Please do not exceed the rated voltage and current.
  - Please do not exceed the rated environment.
  - Please observe electrical polarity when making connections.
  - Please connect load correctly.
  - Please avoid short-circuiting the load.
  - Please do not operate it if the housing is broken.
  - When disposing the tester, please treat it as an industrial waste.

### warranty

Our products have been tested prior to shipping, however if malfunction occurs, please contact our offices near you and present the failure in details so that we can provide the best solution to you.

### Warranty Period

The warranty period is 1 year starting from the shipment date.

### Scope of warranty

- If malfunction is caused by our company within the warranty period, free service or repairing shall be offered. The cases listed below do not fall into the scope of warranty.
- Malfunction due to abnormal use.
- Malfunction due to natural disasters such as fire, earthquake and flood, or abnormal static voltage.
- Malfunction that is caused by natural disasters such as fire, earthquake and flood, or abnormal static voltage.
- Malfunction that is caused by third parties or accessories, removal of our products parts.
- Malfunction that is caused by unreasonable repair or modification of our company.
- Malfunction that could be repaired by customer's repair or recovery of hardware parts by themselves.

operating instruction or User's manual.

- Malfunction that is caused by unpredictable factors (such as change of science and technology) after the product is delivered from our company.
- Malfunction that is caused by natural disasters such as fire, earthquake and flood, or abnormal static voltage.

%Any indirect consequences such as device damage, loss of opportunities, lost profits, or other damage beyond the scope of warranty (which is only limited to regulation).

### specifications

Serial Number	Items	Applications	Remarks
1	Test Type	NPN or PNP	Auto-Detect
2	Output Voltage	4.8 V ~ 5.2 V 23.0 V ~ 24.5 V	5 V output 24 V output
3	Output Current	± 0.2 A ≤ 0.15 A	5 V output 24 V output
4	Battery Capacity	2,500 mAh	Li-Ion
5	Theoretical Working Hour	10 h	24 V, 15 mA
6	Charging Time	4.5 h	-
7	Output Voltage for charging External Device	4.8 V ~ 5.2 V	Power Bank
8	Working Temperature	-10 °C ~ 45 °C	-
9	Weight	145 g	-
10	Size	125.5 x 62 x 22.5	-
11	Other Functions	Silence mode, Sleep mode, Output short-circuit protection	-

### operating instructions

#### Charging

When BAT light turns into red, it indicates that test box needs to be charged. During charging, it remains in red until the sensor tester is fully charged and then it becomes green.

#### Sleep Mode

When the sensor tester is on standby for more than 2 minutes it will automatically enter into sleep mode to lower power consumption. Meanwhile the BAT light will flicker 2 second intervals to remind user to switch the power off. When pressing the pulse button again, the sensor tester will be re-activated.

#### Silence Mode

Press and hold Pulse Button for 5 seconds, the NPN light and PNP light will flicker twice at the same time than the test box will enter into silence mode. When there is an output from the sensor the corresponding NPN light or PNP light on the sensor tester will switch on without the beeping sound.

#### Power bank

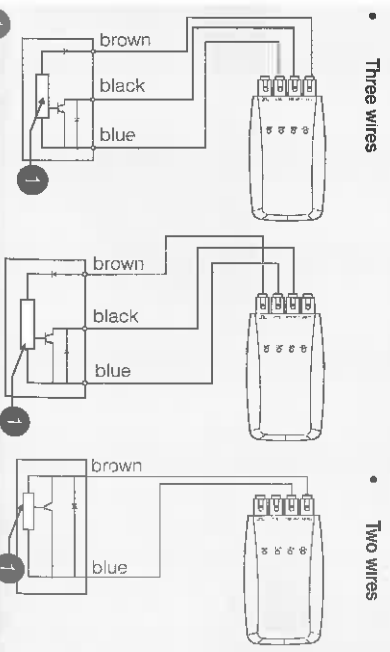
Sensor tester can serve as a power bank. Connect the USB charging cable between the OUT port and the device that needs charging. The sensor tester will begin to charge the device when the power button is switched on.

### Note

- Please make sure the power is off before connecting the cable.
- Please make sure the voltage fluctuations are within maximum rated range.
- When the power is on, please do not apply the device in the first 0.5 s.
- Please do not subject the device to dust, dirt or vapor.
- Please do not subject the device to water, oil or organic solvent such 1s solvents.

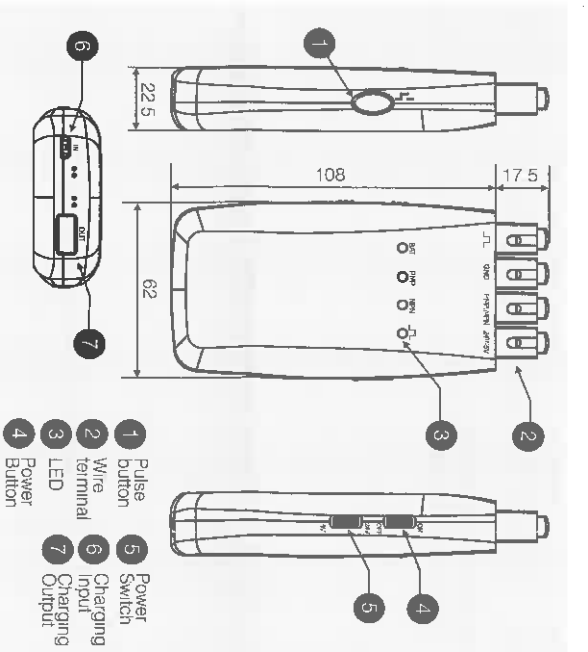
### operating instruction

Connecting the product cables to the tester accordingly at Three Wired



**1 circuit**  
**Power On** Select 5V or 24V according to product requirements.  
 Test: Switch the pulse button, the sensor tester will green the sensor. If there is an output from the sensor the corresponding NPN light or PNP light will be on along with a beeping sound.  
**Pulse:** User can press Pulse button to supply power to the sensor. When pressing Pulse Button, the light indicator will be on. Supplying output voltage to the red wire terminal. The output voltage is determined by the Power switch.

### outline dimensional drawing (mm)



- 1 Pulse button
- 2 Wire terminal
- 3 LED
- 4 Power Button
- 5 Power Switch
- 6 Charging Input
- 7 Charging Output



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