



Manuals.plus /

› SATMW /

› SATMW B15 Induction Tester Pen User Manual

SATMW B15

SATMW B15 Induction Tester Pen User Manual

Model: B15 | Brand: SATMW

1. INTRODUCTION

The SATMW B15 Induction Tester Pen is a versatile electrical testing tool designed for detecting AC voltage, identifying live and neutral wires, locating line breakpoints, and performing electrical on-off detection. It features a wide voltage range of 24V-250V, a built-in flashlight, and a durable chromium vanadium steel probe. This manual provides essential information for safe and effective operation.

ANENG[®]

Induction tester pen

Upgrade the chip

High-precision intelligent chip, easy to deal with power measurement problems

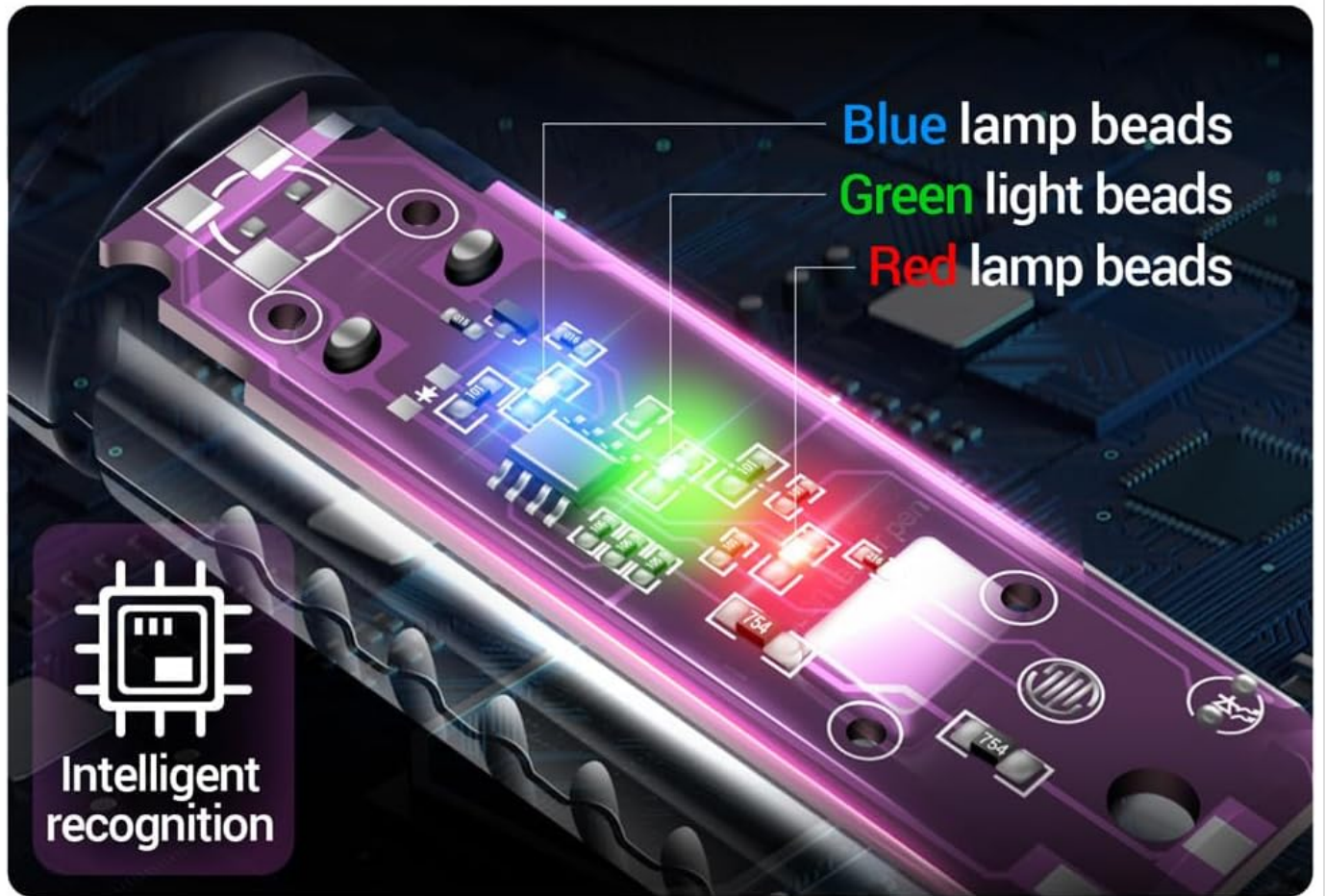


Image: Internal components of the B15 Induction Tester Pen, highlighting the intelligent chip for precise measurements.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the SATMW B15 Induction Tester Pen:


- Do not use the tester if it appears damaged or is not functioning correctly.
- Ensure the voltage range of the tester (24V-250V) is suitable for the circuit you are testing.
- Always assume a circuit is live until proven otherwise.
- Wear appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses, when working with electricity.
- Do not attempt to open or modify the tester. Refer servicing to qualified personnel.
- Keep the device away from water and moisture.
- Replace batteries promptly when the low voltage indicator appears to ensure accurate readings.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SATMW B15 Induction Tester Pen
- 1 x Packaging Color Box

ANENG® Wide range of use



Zero FireWire
Touch the touch pole of the electric pen with your hand, insert the electric pen into the socket, zero wire: green light, live wire: flashing red light and beeping

Self-test function
Hold the pen in one hand and touch the side touch pole with one hand. The green light is on to indicate that the battery is sufficient, and the light is not on to indicate that the battery needs to be replaced

Line breakpoint lookup
Find along the line, where the LED blue light is on, the line is smooth and good, and if the blue light is not on, it is the line disconnection.

Electrical on-off
The hand is placed on the touch pole through the human body circuit, the inner core of the plug wire is intact, the green light is on, and if it does not light up, the wire core is disconnected somewhere

Battery detection
Measure as shown in the picture, press and hold the positive electrode of the battery and the touch electrode of the electric pen. The green light is on to indicate that the power is sufficient, and the light is not on to indicate that the power is insufficient.

Voltage sensing
Built-in sensor, when the AC voltage is detected, the LED blue induction indicator will light up to measure electricity without contact to prevent the danger of electric shock

Image: The B15 Induction Tester Pen and its retail packaging.

4. PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the key features and components of your B15 Induction Tester Pen:

1. **Induction Indicator Light:** Bright blue light indicates induction.
2. **High Pressure Indicator:** Bright red light indicates high voltage.
3. **Flashlight Button:** Press to turn on the LED flashlight.

4. **Touch Metal:** The contact point for measurements.
5. **Low Voltage/On-Off Indicator Light:** Bright green light indicates low voltage or electrical continuity.
6. **LED Flashlight:** Assists with night work or in dimly lit areas.
7. **Chromium Vanadium Steel Batch:** High hardness one-word screwdriver probe.



Image: Labeled diagram of the B15 Induction Tester Pen components.

Wonderful details

WE PERSISTENTLY PURSUE BETTER QUALITY



Image: Detailed views of the B15 Induction Tester Pen, highlighting battery compartment, probe, and pen clip.

5. SETUP

5.1 Battery Installation

The B15 Induction Tester Pen requires two (2) 1.5V AAA batteries (not included).

1. Unscrew the cap at the top of the tester pen.
2. Insert two AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
3. Screw the cap back on securely.

Note: Always use fresh batteries for optimal performance and accurate readings. Remove batteries if the device will not be used for an extended period.

6. OPERATING INSTRUCTIONS

The B15 Induction Tester Pen offers multiple testing functions:

ANENG®



Induction tester pen

Complete accessories

- ①. Induction tester pen
- ②. Packaging color box

Image: Visual guide to the various testing functions of the B15 Induction Tester Pen.

6.1 Zero FireWire (Live/Neutral) Detection

Insert the electrical pen into the socket. If the green light is on, it indicates a neutral wire. If the red light flashes and a beeping sound is heard, it indicates a live wire.

6.2 Self-Test Function

Hold the pen in one hand and touch the side touch pole with the other hand. A green light indicates sufficient battery power. If the light is not on, the battery needs to be replaced.

6.3 Line Breakpoint Lookup

Follow the line with the tester. The point where the LED blue light is on indicates an unobstructed and good line. If the blue light is not on, it signifies a line disconnection at that point.

6.4 Electrical On-Off Detection

Touch the touch pole of the electric pen. If the green light is on, the circuit is complete. If the green light is not on, the wire core is disconnected somewhere.

6.5 Battery Detection

Measure as shown in the picture (likely referring to the self-test or a specific battery contact point). A green light indicates sufficient power. If the light is not on, the power is insufficient.

6.6 Voltage Sensing (Non-Contact)

When the AC voltage is detected, the LED blue induction indicator light will illuminate. This function allows for voltage detection without direct contact, enhancing safety.

6.7 Flashlight Operation

Press the orange button on the tester to turn the built-in LED flashlight on or off. This assists in working in dark environments.



Image: The B15 Induction Tester Pen's flashlight in operation.

7. MAINTENANCE

- **Cleaning:** Wipe the tester with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace batteries when the self-test function indicates low power to ensure accurate operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tester does not turn on or respond.	Dead or incorrectly installed batteries.	Replace batteries with new 1.5V AAA batteries, ensuring correct polarity.
Inconsistent or inaccurate readings.	Low battery power; environmental interference; faulty unit.	Replace batteries. Ensure testing in a clear environment. If problem persists, contact support.
Flashlight not working.	Low battery power; flashlight button malfunction.	Replace batteries. If still not working, the flashlight component may be faulty.

9. SPECIFICATIONS

Feature	Detail
Model	B15
Material	ABS + Chromium Vanadium Steel
Voltage Range	24V-250V AC
Alarm Method	Sound and Light Alarm
Probe Type	One-word batch (Screwdriver)
Flashlight	Yes
Zero FireWire Detection	Yes
Voltage Detection	Yes
Line Breakpoint Lookup	Yes
Electrical On-Off Detection	Yes
Self-Test Function	Yes
DC Detection	Yes
Power Supply	2 x 1.5V AAA batteries (Not included)
Item Size	160 x 28 x 27mm (6.29 x 1.10 x 1.06in)
Item Weight	36g (1.26oz)

ANENG®



Image: Dimensions of the B15 Induction Tester Pen.

10. WARRANTY AND SUPPORT

Specific warranty information for the SATMW B15 Induction Tester Pen is not provided in the product details. For warranty claims or technical support, please refer to the retailer or seller from whom the product was purchased. Keep your proof of purchase for any potential claims.