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Tosuny Tosunyk6c4txongw

Tosuny 3-in-1 Stud, Metal, and AC Live Wire Detector

Model: Tosunyk6c4txongw

Introduction

This Tosuny 3-in-1 detector is designed to accurately locate hidden metal pipes, live AC wires, studs, and wooden frames within walls. It helps prevent damage when drilling or installing fixtures by identifying concealed objects before work begins. The device features an LCD screen for clear indications and an audible alert system.



Image: Front view of the Tosuny 3-in-1 detector, showing the LCD screen and control buttons.

Product Features

- **Accurate Detection:** Locates metal pipes, live AC wires, studs, and wooden frames precisely.
- **Multi-Mode Operation:** Offers three distinct detection modes for various materials.
- **Deep Scan Capability:** Detects metals and live AC wires up to 76 mm (3 inches) deep.
- **Stud Detection:** Identifies wood and metal studs up to 38 mm (1.5 inches) deep.
- **Automatic Shut-Off:** Conserves battery life by automatically powering down after a period of inactivity.
- **Audible and Visual Alerts:** Provides clear indications through sound and a backlit LCD screen.



Image: The Tosuny detector with text indicating its auto shut-off function, highlighting a key feature for battery conservation.

Safety Information

Always observe the following safety precautions when using the detector:

- Before drilling, cutting, or opening walls, always turn off the main power to the area.
- Do not rely solely on the detector for safety. Always use caution and verify findings through other means if possible.
- Keep the device dry and clean. Avoid exposure to extreme temperatures or moisture.
- This device is intended for detecting objects behind common wall materials. Its accuracy may vary with unusual wall compositions or conditions.

Setup

Battery Installation

1. Locate the battery compartment cover on the back of the device.

2. Slide the cover open.
3. Insert one 9V battery (not included), ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Image: The back of the Tosuny detector with the battery compartment open, showing where to insert the 9V battery.

Operating Instructions

Power On/Off

Press the "ON/OFF" button to power on the device. The LCD screen will illuminate. To power off, press the "ON/OFF" button again, or the device will automatically shut off after a period of inactivity.

Mode Selection

Use the mode selection button (often indicated by an arrow or similar icon) to cycle through the three detection modes:

- **Stud Scan Mode:** Designed to locate the edges of metal and wood studs in common walls up to 38 mm (1.5 inches) deep.
- **Metal Scan Mode:** Used to detect various metals, such as iron, copper, and aluminum pipes, up to 76 mm (3 inches) deep.
- **AC Wire Scan Mode:** Identifies live AC electrical wires up to 76 mm (3 inches) deep.



Image: A diagram illustrating the detector's ability to locate metal, AC wires, and wood, with arrows pointing to the corresponding materials.

Scanning and Interpretation

1. Place the detector flat against the wall surface where you wish to scan.
2. Press the "ON/OFF" button to power on and select the desired mode.
3. Slowly slide the detector horizontally across the surface. Keep it flat against the wall.
4. The LCD screen will display indicators and an audible alert will sound when an object is detected. The display will typically show a signal strength indicator and a 'CENTER' indicator to help pinpoint the object's location.
5. Mark the detected area. For best results, scan the area from multiple directions to confirm the object's position.



Image: The Tosuny detector being used on a wall, with its LCD screen displaying detection feedback.

Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the detector in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if the device will not be used for an extended period.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears on the LCD screen or if the device fails to power on.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not power on.	Battery is dead or incorrectly installed.	Replace the 9V battery, ensuring correct polarity.
Inaccurate or inconsistent readings.	Device not calibrated, wall material too dense, or presence of multiple objects.	Ensure the device is placed flat on the wall. Scan the area from different angles. Avoid scanning over wet or freshly painted surfaces.
Battery drains quickly.	Low-quality battery or prolonged use without auto-off.	Use a fresh, high-quality 9V alkaline battery. Ensure the auto-off function is working.

Specifications

- **Color:** Orange
- **Operating Temperature:** -20°C to 50°C (-4°F to 122°F)
- **Battery:** 1 x 9V (not included)
- **Dimensions:** Approximately 15.5 x 7 x 3 cm (6.1 x 2.8 x 1.2 inches)
- **Weight:** Approximately 199g (0.44 lbs)
- **Ingress Protection (IP) Rating:** IP65
- **Detection Depth:**
  - Studs (wood/metal): up to 38 mm (1.5 inches)
  - Metal: up to 76 mm (3 inches)
  - Live AC Wire: up to 76 mm (3 inches)

Warranty and Support

For warranty information or technical support, please refer to the documentation included with your purchase or contact Tosuny customer service. Keep your purchase receipt as proof of purchase.

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