

Hyper Tough TD35234J

Hyper Tough Non-Contact Voltage Sensor TD35234J

Instruction Manual

1. SAFETY INFORMATION

Please read and understand all safety information before operating this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This device is designed for non-contact voltage detection. Do not attempt to use it for direct contact measurements.
- Always assume live voltage is present until confirmed otherwise by this detector or other appropriate testing equipment.
- The voltage range for this detector is **70V to 1000V AC**, with a frequency range of **50/60Hz**. Do not use outside of these specifications.
- Rated **CAT III**, indicating suitability for measurements in building installations.
- This unit is **ETL certified** and meets **UL standards**.
- Before handling any wiring, always use this detector to ensure no current is present.
- Replace batteries promptly when the low battery indicator appears to ensure accurate readings.
- Do not use the device if it appears damaged or is not operating correctly.

2. PRODUCT OVERVIEW

The Hyper Tough Non-Contact Voltage Sensor TD35234J is an essential tool for quickly and safely detecting the presence of AC voltage without making physical contact with live conductors. It is ideal for identifying live wires, checking outlets, switches, and light fixtures, and locating breaks in wires.

- **Non-Contact Detection:** Safely detects AC voltage from 70V to 1000V.
- **Visual and Audible Alerts:** Features both an LED indicator and an audible alarm to signal the presence of voltage.
- **Wire Break Detection:** Can assist in identifying breaks in insulated wires.
- **Compact Design:** Easy to carry and use in various electrical applications.
- **Battery Powered:** Operates on 2 AAA batteries (included).



**HYPER
TOUGH™**

2
YEAR LIMITED
WARRANTY

**NON-CONTACT
VOLTAGE
DETECTOR**



CONFORMS TO
UL STD. 61010-1,
UL STD. 61010-2-030,
UL STD. 61010-2-033.
CERTIFIED TO
CSA STD. C22.2 #61010-1,
CSA STD. C22.2 #61010-2-030,
CSA STD. C22.2 #61010-2-033.

**VOLTAGE
DETECTOR GK7**



This image shows the Hyper Tough Non-Contact Voltage Detector TD35234J in its original retail packaging, highlighting the product name, brand, and key features like 'NON-CONTACT VOLTAGE DETECTOR' and '2 YEAR LIMITED WARRANTY'.

3. SETUP

3.1 Battery Installation

The Hyper Tough Non-Contact Voltage Sensor TD35234J requires 2 AAA batteries for operation. The batteries are included with the device.

1. Twist the battery cap at the bottom of the detector counter-clockwise to remove it.
2. Insert two new AAA batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
3. Replace the battery cap by twisting it clockwise until securely fastened.



A detailed view of the Hyper Tough Non-Contact Voltage Detector's base, showing the battery compartment with the cap removed, indicating where the AAA batteries are inserted for power.

Note: Always use fresh batteries for optimal performance and accurate readings.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- Press the power button (usually located on the side or front) to turn the detector on. The LED indicator should light up briefly, and a short beep may sound, indicating it is ready for use.
- To turn off the detector, press and hold the power button until the LED turns off. The device may also have an auto-off feature to conserve battery life.

4.2 Detecting AC Voltage

1. Ensure the detector is powered on.
2. Hold the detector by its body, keeping your fingers away from the tip.
3. Bring the tip of the detector close to the wire, outlet, switch, or electrical fixture you wish to test.

- 4. If AC voltage is detected, the LED indicator will light up (typically red), and an audible alarm will sound. The intensity of the alarm and light may vary with voltage strength or proximity.
- 5. If no voltage is detected, the LED and audible alarm will remain off.

4.3 Finding Breaks in Wires

This detector can help locate breaks in insulated wires carrying AC voltage.

- 1. Ensure the wire you are testing is connected to a live AC voltage source.
- 2. Slowly move the tip of the detector along the length of the insulated wire.
- 3. The detector will indicate voltage presence (LED and audible alarm) along the wire until it reaches the point of the break.
- 4. The alarm and LED will stop at the point where the voltage is no longer present, indicating a potential break in the wire.

5. MAINTENANCE

5.1 Cleaning

- Wipe the exterior of the detector with a clean, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the device is completely dry before storage or next use.

5.2 Battery Replacement

Replace the 2 AAA batteries when the low battery indicator appears or if the device fails to power on. Refer to Section 3.1 for battery installation instructions.

5.3 Storage

Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not power on.	Dead or incorrectly installed batteries.	Replace batteries, ensuring correct polarity.
No detection when voltage is expected.	Voltage is outside the specified range (70-1000V AC). Detector malfunction. Low battery.	Verify voltage with another device if possible. Replace batteries. Contact support if issue persists.
Intermittent or weak detection.	Low battery. Interference from other electrical fields.	Replace batteries. Move away from other electrical devices and retest.

7. SPECIFICATIONS

Model:	TD35234J
Brand:	Hyper Tough
Voltage Range:	70V to 1000V AC
Frequency Range:	50/60 Hz
Safety Rating:	CAT III
Certifications:	ETL, UL
Power Source:	2 x AAA Batteries
Detection Indication:	LED and Audible Alarm

8. WARRANTY AND SUPPORT

8.1 Limited Warranty

The Hyper Tough Non-Contact Voltage Sensor TD35234J comes with a **2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or improper maintenance.

Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty inquiries, or to report a problem with your device, please refer to the contact information provided on the product packaging or the official Hyper Tough website.

When contacting support, please have your product model number (TD35234J) and proof of purchase available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question