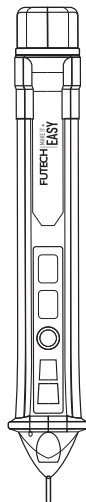


USER MANUAL

VT3500 VOLTAGE DETECTOR



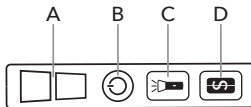
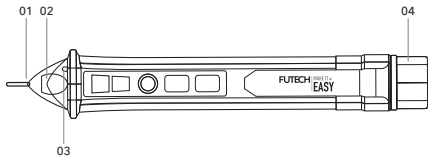
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Check the back cover



OVERVIEW



■ DEVICE

- 01 Probe (NCV inductive head)
- 02 Flashlight
- 03 Induced voltage signal LED
- 04 Battery cover

■ KEYPAD

- A Signal intensity indicator
- B Power button
- C Flashlight button
- D AC voltage range selector

SAFETY

Please read the safety instructions provided in the separate booklet with the device.

Test device on a known live circuit before use to ensure the device functions properly.

Before using this tester, even there's no sound or light alarm, voltage may still exist. The tester only indicates the valid voltage when there's AC voltage generating electrostatic field with sufficient intensity. If the electric field intensity is very low, the tester may not detect.

NOTE

Be extra careful when measuring voltages over AC 36V to avoid electric shock.

BATTERY

This device uses 2 Alkaline 1,5 Volt AAA batteries. Inserted in the back of the device by unscrewing the cap [04].

When the battery is low, the power indicator will flash three times while the buzzer sounds.

Replace the battery as soon as this happens.

FIRST TIME USAGE

Remove all plastics from the device before using and insert the batteries that came with the device.

USE

■ TURNING ON/OFF THE DEVICE

- To turn on the testing device, press the power button [B].

All the devices' indicators and buttons will flash once to indicate that the device is on and functioning.

- Press the power button [B] again to turn off the device.

NOTE

The device will remain on stand-by mode once turned on for 5 minutes, even if there are no lights indicating it, the device is turned on!

■ TURNING ON/OFF THE FLASHLIGHT

The voltage detector has a built-in flashlight that allows the user to work safely and accurately in darker spaces.

- To turn on the device's built-in flashlight, press the flashlight button [C].
- Press the flashlight button [C] once more to turn off the flashlight.

■ AC DETECTION RANGE SELECTION

The Voltage Detector has multiple ranges in which it can detect voltage. The default range will always be 48~1000V.

- Press the AC voltage range selector button [D], the button will light up and the range will be switched to 12~1000V
- Pressing the button [D] again will reset you to the default range, the light turns off again.

■ AC VOLTAGE DETECTION

Using the probe [01] of the tester, we can check if a wire or power socket is live.

- Insert the probe [01] of the tester into power socket or get close to the live wire.

When the tester detects an AC voltage signal, the induced voltage signal indicator [03] flashes, and the tester lights up corresponding signal intensity indicator [A] according to the detected signal intensity.

Low → Green flashes - Medium → Green continuous -
High → Red continuous.

The buzzer makes alarming sounds of different frequencies.

■ NEUTRAL LINE / LIVE WIRE DISTINCTION

Before we can judge which of two wires is the live/neutral wire, we have to separate the wires as far as possible.

- Hold the probe [01] close to each wire or insert it in the socket.
- Check what subject has the highest induced signal strength. This will be the live wire.
- The subject with the lowest/no signal strength is the neutral line.



TECHNICAL SPECIFICATIONS

MODEL	VT3500	
AC voltage range	12~1000V	48~1000V
Frequency	50Hz/60Hz	
Warning method	Audible and visible alarm	
Automatic shutdown	5 minutes of inactivity	
NCV sensitivity	3 Automatic sensitivities	
Operating temperature	0°C - 40°C	
Storage temperature	-10°C - 50°C	
Altitude	<2000m	
Security	CE CAT.III 1000V/ CAT.IV 600V	
Power supply	2x 1.5V AAA Battery	
Dimensions	156 x 20 x 20 mm	
Weigth	About 40g	



DECLARATION OF CONFORMITY

Futech (Belgium) declares under its own responsibility that this device:

- VT3500 Voltage Detector

is in conformity with the standards

EN61326-2-2:2013
EN61000-3-2:2014
EN61000-3-3:2013
EN61010-2-030:2010
EN61010-1:2010

under the directive:

2014/30/EU
2014/35/EU

Lier, Belgium,
March 30, 2023
Patrick Wäuters

Potential misprints are reserved. Images used are not strict. All features, functionality and other product specifications are subject to change without notice or obligation.





USER MANUAL

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