



DUAL-RANGE NON CONTACT VOLTAGE DETECTOR WITH FLASHLIGHT

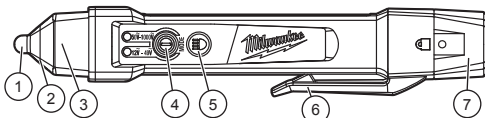
Cat. no.: 3203-20

IMPORTANT SAFETY INSTRUCTIONS

AWARNING Read all safety warnings, instructions, illustrations and specifications provided with this product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save these instructions.

- Before use, test on a known live circuit to ensure the tool is functioning properly. Do not use if damaged in any way.
- If no indication, voltage may still be present.
- Verify no-voltage reading with a suitable measurement before beginning work on a circuit.
- Use caution with voltages above 30V AC as a shock hazard may exist. Do not apply more than the rated voltage as marked on the detector.
- Never assume neutral or ground wires are de-energized. Neutral wires in multi-wire branch circuits may be energized when disconnected and must be retested before handling.
- Operation may be affected by differences in outlet design and insulation thickness and type.
- The detector **WILL NOT** detect voltage if:
 - The wire is shielded.
 - The voltage is DC.
- The detector **MAY NOT** detect voltage if:
 - The wire is partially buried or in a grounded metal conduit.
 - The field created by the voltage source is being blocked, dampened, or otherwise interfered with.
 - The frequency of the voltage is not a perfect sine wave between 50 Hz and 500 Hz.
 - The tip of the detector is not within 5 mm of an AC voltage source radiating unimpeded.
 - The air humidity is not nominal (50% relative humidity – non-condensing).
 - The detector is not held still.
- Do not use the detector around strong electromagnetic fields.
- This tool is intended for indoor use.
- Do not stare at or look directly into light source.
- Never use without battery cover in place.
- Shut off appropriate circuit breakers before beginning work.
- This tool is rated measurement category IV, for measurements performed at the source of a low-voltage installation and outside line.

FUNCTIONAL DESCRIPTION



- | | | |
|-----------------------|----------------------|-------|
| 1. Tip | 5. Flashlight button | power |
| 2. Flashlight | | |
| 3. Indicator LED | 6. Pocket clip | |
| 4. On/Off/Mode select | 7. Battery Cap | |

SYMBOLGY



AC Current



Volts

CAT IV

Measurement Category IV



Safety Alert



Risk of Electric Shock



CAUTION

Do not stare at the operating light source.



Non-Contact Voltage Button (NCV)



Flashlight power button



Lock



Unlock



Two AAA batteries required.



Read Operator's Manual



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

SPECIFICATIONS

Cat. No.	3203-20
Voltage Measurement Range	
EXTRA LOW Voltage Range.....	12-49 V AC (Amber LED)
LOW Voltage Range.....	50-1000 V AC (Red LED)
Safety Rating.....	CAT IV 1000 V AC
Battery.....	2 x 1.5V AAA Alkaline Batteries
Ingress Protection.....	IP54
Operating Altitude.....	2000m or less
Pollution Degree.....	2
Maximum Relative Humidity.....	80% for temperatures up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F)
Recommended Ambient Operating Temperature.....	-10°C (14°F) to 50°C (122°F)

ASSEMBLY

⚠WARNING This tool is designed to be powered by 2-AAA batteries properly inserted into the detector. Do not attempt to use with any other voltage or power supply.

- Install battery according to polarity (+ and -) diagrams.
- Do not leave batteries within the reach of children.
- Never use without battery cover in place.
- Properly dispose of used batteries.
- Do not incinerate or dismantle batteries.
- Under abusive conditions, liquid may be ejected from the battery, avoid contact. If contact accidentally occurs, flush contacted area with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

Installing the Batteries

1. Remove the battery cover by twisting to the unlock  position.
2. Install the batteries according to the polarity marked on the tool.
3. Reinstall the battery cover by lining up with the unlock  icon and twisting to the lock  position.

⚠WARNING Never use tool without battery cover in place.

4. Test the detector on a known electrical source.

OPERATION

⚠WARNING To reduce the risk of electric shock or injury, test on a known live circuit to ensure the tool is functioning properly before use. Do not use detector if damaged in any way.

Using the Detector

Press the on/off button for one second to turn the detector on. An audible beep will sound, the indicator LED will light red or amber, and then green.

To turn on silent mode, press and hold the on/off button for 3-5 seconds while the NCVD is off. The detector will flash momentarily signifying silent mode is activated.

To turn off silent mode, turn off the detector.

To do this, press and hold the on/off button for 3-5 seconds while the NCVD is on. An audible beep will sound, and the detector will turn off.

The detector will turn off by itself after 5 minutes of inactivity.

To check for AC voltage in a power outlet, place the tip of the detector into each side of the outlet.

To check for AC voltage in any other part of a circuit, place the tip of the detector against the circuit. When voltage is detected, the indicator LED and the tip will light up and the tool will beep repeatedly.

The indicator LED and the tip will light up amber if the voltage range is between 12-49 V AC. The indicator LED and the tip will light up red if the voltage is between 50-1000 V AC.

Press the mode button to toggle between extra-low and low voltage detection range.

Cleaning

Keep tool clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with tool. This warranty applies only to product sold by authorised dealers in Australia and New Zealand.

SERVICE - AUSTRALIA and NEW ZEALAND

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty™. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised **MILWAUKEE®** dealer.

For a list of **MILWAUKEE®** dealers, guarantee or service agents please contact **MILWAUKEE®** Customer Service or visit our website.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeeetool.com.au/milwaukeeetool.co.nz.

Milwaukee Electric Tool Corporation

13135 West Lisbon Road, Brookfield, Wisconsin U.S.A. 53005

Milwaukee Tool (Australia)

26 - 40 Nina Link, Dandenong South,
Victoria, 3175, Australia

Milwaukee Tool (New Zealand)

274 Church Street, Penrose,
Auckland, 1061, New Zealand

DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.