

## MASTECH®

### Safety Information

#### Safety Symbols

symbol	Definition
	Indicates important safety information.
	This product is insulated at double insulation (Protection Class II).
	"This product has been tested to the requirements of CAN/CSA-C22.2 No. 61010-1, second edition, including Amendment 1, or a later version of the same standard incorporating the same level of testing requirements".
	CONFORMS TO UL STD. 61010-1, 61010-031 CERTIFIED TO CSA STD. C22.2 NO. 61010-1, 61010-031
<b>CAT II</b>	overvoltage (installation) category II, pollution degree 2 per IEC1010-1, referring to the level of impulse withstand voltage protection provided.
<b>CAT III</b>	overvoltage (installation) category III, pollution degree 2 per IEC1010-1, referring to the level of impulse withstand voltage protection provided

#### PRECAUTIONS

##### WARNING

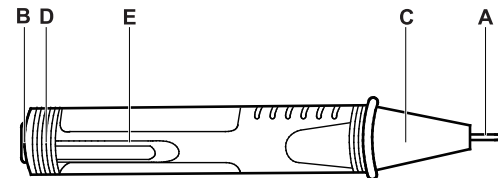
BE EXTREMELY CAREFUL IN THE USE OF THIS DEVICE. Improper use of this device can result in injury or death. Follow all safeguards suggested in this manual in addition to the normal safety precautions used in working with electrical circuits. DO NOT service this device if you are not qualified to do so.

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##### CAUTION

Read, understand, and follow the safety rules and operating instructions of this manual before you use the product. Protection provided by the instrument will be impaired if used in a manner not specified by the manufacturer. Before measuring hazardous voltages, first measure the voltage which is known to determine if the equipment operates correctly.

#### Pre-Operation PACKAGE CONTENTS



Part	Description	Quantity
A	Probe	1
B	Power button	1
C	LED light	1
D	Battery cover	1
E	Pocket clip	1

## PRODUCT SPECIFICATIONS

Component	Specification
AC Voltage range	100V-1000V AC/50-500Hz
Safety standards	Designed to international safety standard UL 61010-1/600V CAT III/1000V CATII
Battery	2 x 1.5V (AAA Type)
Altitude	< 2000 m
Operating temperature	-10 to 50°C
Storage temperature	-20 to 60°C
Humidity	< 85% relative humidity
Dimensions	157 x 24 x 20 mm
Weight	Approximately 42g
Use of the environment	For indoor use only

## Battery Installation

### Installing the battery

#### ⚠ WARNING

To avoid electric shock, do not operate the detector until the battery cover is in place and securely fastened.

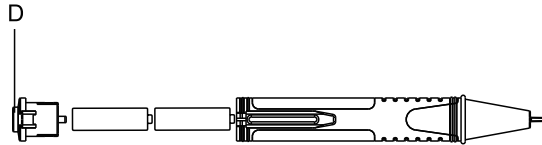
#### ⚠ WARNING

The measurement must be done only with the cap on the probe tip.

#### NOTE

If your detector does not work properly, check the batteries to make sure they are still good and are properly inserted

1. Open the battery cover (D) by gently prying up/out at the pocket clip (E) using a small screwdriver.
2. Insert two AAA batteries (observe polarity).
3. Replace the battery cover (D).



## Operation

### Checking the AC Electrical Voltage in a Socket

#### ⚠ WARNING

Risk of Electrocution. High-voltage circuits, both AC and DC, are very dangerous and should be measured with great care.

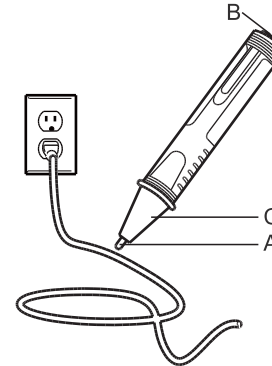
#### ⚠ WARNING

Risk of Electrocution. Before using to check for voltage in a socket, always test the detector on a known live circuit to verify that the detector is working properly.

#### ⚠ WARNING

Risk of Electrocution. Keep hands and fingers on the body of the detector and away from the probe tip.

1. Press the Power button (B) to turn the detector on.
2. Touch the probe tip (A) to a cord plugged into the socket, or insert the probe (A) directly into a socket.
3. If AC electrical voltage is present, the LED light (C) on the detector flashes and the detector makes a beeping sound.



DONGGUAN HUANGYI MASTECH COMPANY LIMITED  
72 Puxing East Road Qingxi, Dongguan, Guangdong, China.  
Tel: +86-769-8190-1688  
Fax: +86-769-8190-1600  
<http://www.p-mastech.com>  
[info@p-mastech.com](mailto:info@p-mastech.com)

