



PY-11
Voltage & Continuity
Tester

Users Manual



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Voltage & Continuity Tester

Users Manual

English

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Limited Warranty and Limitation of Liability

Your Amprobe product will be free from defects in material and workmanship for 1 year from the date of purchase. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Amprobe's behalf. To obtain service during the warranty period, return the product with proof of purchase to an authorized Amprobe Test Tools Service Center or to an Amprobe dealer or distributor. See Repair Section for details. THIS WARRANTY IS YOUR ONLY REMEDY. ALL OTHER WARRANTIES - WHETHER EXPRESS, IMPLIED OR STATUTORY - INCLUDING IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE HEREBY DISCLAIMED. MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Repair

All test tools returned for warranty or non-warranty repair or for calibration should be accompanied by the following: your name, company's name, address, telephone number, and proof of purchase. Additionally, please include a brief description of the problem or the service requested and include the test leads with the meter. Non-warranty repair or replacement charges should be remitted in the form of a check, a money order, credit card with expiration date, or a purchase order made payable to Amprobe® Test Tools.

In-Warranty Repairs and Replacement – All Countries

Please read the warranty statement and check your battery before requesting repair. During the warranty period any defective test tool can be returned to your Amprobe® Test Tools distributor for an exchange for the same or like product. Please check the "Where to Buy" section on www.amprobe.com for a list of distributors near you. Additionally, in the United States and Canada In-Warranty repair and replacement units can also be sent to a Amprobe® Test Tools Service Center (see next page for address).

Non-Warranty Repairs and Replacement – US and Canada

Non-warranty repairs in the United States and Canada should be sent to a Amprobe® Test Tools Service Center. Call Amprobe® Test Tools or inquire at your point of purchase for current repair and replacement rates.

In USA

Amprobe Test Tools

Everett, WA 98203

Tel: 888-993-5853

Fax: 425-446-6390

In Canada

Amprobe Test Tools

Mississauga, ON L4Z 1X9

Tel: 905-890-7600

Fax: 905-890-6866

Non-Warranty Repairs and Replacement – Europe

European non-warranty units can be replaced by your Amprobe® Test Tools distributor for a nominal charge. Please check the "Where to Buy" section on www.amprobe.com for a list of distributors near you.

Amprobe® Test Tools Europe

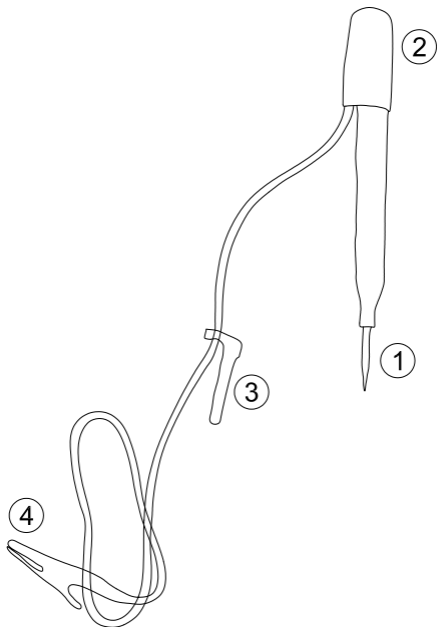
In den Engematten 14

79286 Glottertal, Germany

tel: +49 (0) 7684 8009 - 0

*(Correspondence only – no repair or replacement available from this address. European customers please contact your distributor.)

PY-11 Voltage & Continuity Tester















- ①** Measuring Probe (Pos)
- ②** Light bulb cover
- ③** Probe tip cap
- ④** Ground probe (COM)

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SYMBOLS

	Battery
	Double Insulated
	Alternating Current
	Direct Current
	Application around and removal from hazardous live conductors is permitted
	Refer to the manual
	Dangerous Voltage
	Earth Ground
	Symbol
	Complies with EU directives
	Conform to relevant Australian standards
	Do not dispose of this product as unsorted municipal waste

SAFETY INFORMATION

⚠ Warnings! - identifies conditions and actions that could result in serious injury or even death to the user.

⚠ Caution! - identifies conditions and actions that could cause damage or malfunction in the unit.

This manual contains information and warnings that must be followed for operating the tester safely and maintaining the tester in a safe operating condition. If the tester is used in a manner not specified by the manufacturer, the protection provided by the tester may be impaired. Do not use in rainfall!

⚠ Warnings! - To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. To avoid electrical shock hazard, observe the proper safety precautions.

Switch all power off before using do not use on live circuits :

- Inspect test probes, connectors, and probes for damaged insulation or exposed metal before using the tester. If any defects are found, replace them immediately.
- The voltages marked on the tester are nominal voltages or nominal voltage ranges. The tester shall only be used on installations with the specified nominal voltages or nominal voltage ranges.
- Disconnect the live test lead before disconnecting the common test lead.
- Before each use, verify the tester's operation by measuring a known voltage.

UNPACKING AND INSPECTION

Your shipping carton should include:

- 1 PY-11 Continuity Tester
- 1 Users Manual
- 2 1.5V AAA (NEDA 24G or IEC R03) Batteries

If any of the items are damaged or missing, return the complete package to the place of purchase for an exchange.

INTRODUCTION

The PY-11 continuity tester is designed to be rugged and easy to use for the testing of continuity in electrical circuit, fuses, sockets, door bells, motors, switches, and other high wattage appliances. It comes with a bulb light that provides indication of continuity.

- Automatically turns ON and OFF for easy and quick measurements
- Visual continuity indication (Light bulb)

OPERATION

Note: All function operations described hereafter are via the stationary tip probe for positive (+) polarity and the attached alligator clip probe for Ground reference (-), or otherwise specified.

Automatic Operation

The tester automatically turns on when you place the probes across a complete circuit. The tester tests for continuity and the Light bulb turns ON if there is a complete circuit. The tester automatically turns off when you remove the probes from the complete circuit.

Fuse Test (Refer to Fig.1)

Remove fuse from circuit, touch clip to one end of fuse and probe to the other fuse end. Tester will light if fuse is good. Do not use on fuses rated 300 mA or lower.

Continuity Testing

Light will glow whenever continuous circuit exists.

Wire Short Test For Appliances

Attach clip to metal case of equipment, touch probe to suspected wiring. If light glows, wire is grounded and should be repaired.

Alternator Test

Check for open windings (no light glow) and grounded coils (light glows when attached from case coil).

Diode Test

Diode should pass current in only one direction. Check by first using clip on case and probe at diode end, and then reverse clip and probe. Light should glow only in one direction.

Socket Test (Refer to Fig.2)

Make sure there is no power on the adapter. Connect the probe tip to the adapter prong and the alligator clip to the socket prong. The light will turn on if there is continuity.

SPECIFICATION

Temperature

Operating: -10°C to +50°C (14°F to 122°F)

Storage : -30°C to +60°C (-22°F to +140°F)

Altitude

Operating: 3000m; **Storage:** 10,000m

Relative Humidity: 90%(0°C-30°C);

75%(30°C-40°C); 45%(40°C-50°C)

Battery Type and Life: 2 X 1.5V AAA Size (NEDA 24G or IEC R03); 350 hours

EMC Regulations: EN50081-1, EN50082-1

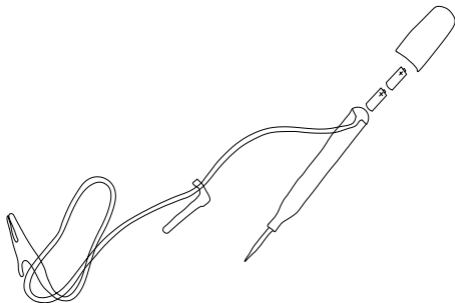
MAINTENACE

Except for the replacement of the battery, repair of the meter should be performed only by a Factory Authorized Service Center or by other qualified instrument service personnel. The front panel and case can be cleaned with a mild solution of detergent and water. Apply sparingly with a soft cloth and allow to dry completely before using. Do not use aromatic hydrocarbons, Gasoline or chlorinated solvents for cleaning.

Battery Test and Replacement

Replace the batteries immediately if the continuity Light doesn't turn on when touching both probes together. Follow the steps below:

1. Remove light bulb white cover cap
2. Remove the white wire together with the light bulb
3. Remove the bad batteries and replace them with 2 new AAA batteries.
4. Insert the light bulb with the attached white wire and turn it counterclockwise.
5. Replace the white cap by pushing it down.



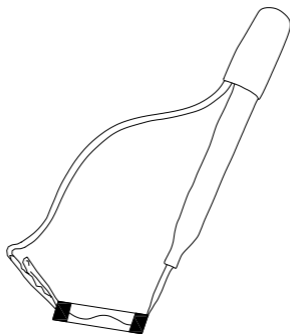


Fig.1

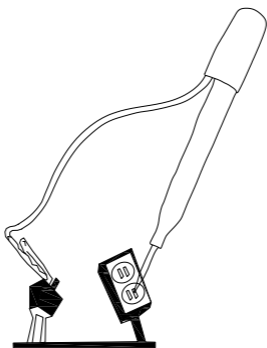


Fig.2

Visit www.Amprobe.com for

- Catalog
- Application notes
- Product specifications
- User manuals



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