

Operating Instructions

3-447-307-15

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METRALINE PV 1500 (M611N)

Clamp Meter

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1. Safety instructions

Read and follow these instructions carefully and completely in order to ensure safe and proper use.

The instructions must be made available to all persons who use the device.

Keep for future reference.

General

- The device may only be used by qualified electricians in the commercial field. It is not a consumer product.
- Observe and comply with all safety regulations which are applicable for your work environment.
- Wear suitable and appropriate personal protective equipment (PPE) whenever working with the device.
- The functioning of active medical devices (for example pacemakers, defibrillators) and passive medical devices may be affected by voltages, currents and electromagnetic fields generated by the device and the health of their users may be impaired. Implement corresponding protective measures in consultation with the manufacturer of the medical device and your physician. If any potential risk cannot be ruled out, do not use the device.

Accessories

- Use only the specified accessories (included in the scope of delivery or listed as options) with the device.
- The device may be used only within the specified measurement ranges and in low-voltage installations up to $1000 V_{AC} / 1500 V_{DC}$.
- Hold the device and accessories by the designated grip areas only, the display elements must not be covered.

- Before and after use, always conduct the self-test and check that the device is in perfect working order (e.g. on a known voltage source).

Measurement cables and establishing contact

- Use the device in undamaged condition only. Inspect the device before use. Pay particular attention to damage, interrupted insulation or kinked cables. Damaged components must be replaced immediately.
- Use the accessories and all cables in undamaged condition only. Inspect accessories and all cables before use. Pay particular attention to damage, interrupted insulation or kinked cables.
- If the device or its accessories don't function flawlessly, permanently remove the device/accessories from operation and secure them against inadvertent use.
- If the device or accessories are damaged during use, for example if they're dropped, permanently remove the device/accessories from operation and secure them against inadvertent use.
- If there are any signs of interior damage to the device or accessories (e.g. loose parts in the housing), permanently remove the device/accessories from operation and secure them against inadvertent use.
- The devices and accessories of Gossen Metrawatt GmbH are designed such as to ensure optimum compatibility with the Gossen Metrawatt GmbH products that are expressly provided for them. Unless otherwise expressly confirmed in writing by Gossen Metrawatt GmbH, they are not intended and suited for use with other products.
- The device and the accessories may only be used for the tests/measurements described in the documentation for the device.

2. Application

Please read this important information!

2.1 Intended Use

The METRALINE PV 1500 clamp meter is a universally applicable clamp meter for testing voltage, current, resistance, capacitance, frequency, non-contact voltage as well as for continuity and diode tests.

The device is constructed according to the latest safety regulations and guarantees safe and reliable working.

Safety of the user, as well as that of the device, is only assured when it's used for its intended purpose.

2.2 Use for other than intended purpose

Using the device for any purposes other than those described in these device operating instructions is contrary to use for intended purpose. Use for purposes other than those intended may result in unforeseeable damage!

2.3 Liability and guarantee

The warranty provided by Gossen Metrawatt GmbH, and its liability, are governed by the applicable contractual and mandatory statutory provisions.

Operating conditions

• Do not use the device and its accessories after long periods of storage under unfavorable conditions (e.g. humidity, dust or extreme temperature).

• Do not use the device and its accessories after extraordinary stressing due to transport.

• Do not expose the device to direct sunlight for long periods of time. Overheating can lead to damage to the appliance.

• Only use the device and its accessories within the limits of the specified technical data and conditions (ambient conditions, IP protection code, measuring category etc.).

• Do not use the device in potentially explosive atmospheres. Danger of explosion!

• Do not use the device in atmospheres subject to fire hazard. Danger of fire!

Regular batteries

• Without batteries the device only has a limited functionality: If the batteries are empty or if there are no batteries inserted into the device, only the LED for dangerous voltage lights up if a voltage of $50 V_{DC} / 120 V_{DC}$ is present.

Therefore, if possible, operate the device with batteries.

• Use batteries in undamaged condition only. Risk of explosion and fire in the case of damaged batteries! Inspect the batteries before use. Pay particular attention to leaky and damaged batteries.

• Only use the device with inserted and secured battery compartment lid. Otherwise, dangerous voltages may

occur at the battery contacts under certain circumstances.

3. The device

3.1 Scope of delivery

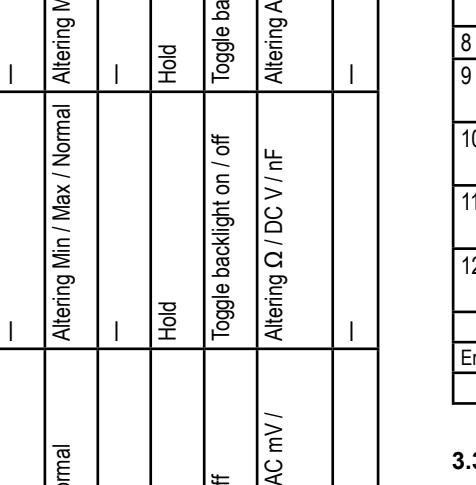
- 1 clamp meter METRALINE PV 1500 (M611N)
- 2 test leads (1 x red, 1 x black)
- 2 batteries (1.5 V, AAA, IEC LR03)
- 1 operating instructions (this document)

Please check the scope of delivery for completeness and intactness.

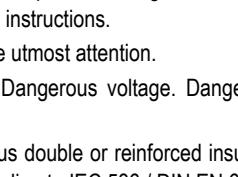
3.2 The device

Device overview

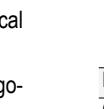
1. Clamp hook
2. Torchlight
3. NCV detection + LED
4. Rotary switch
5. Clamp trigger
6. Display
7. Grip area
8. Battery compartment
9. Control keys
10. Socket 1 ground / COM
11. Socket 2 input for measurements



Sockets



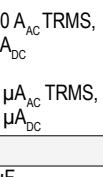
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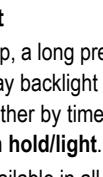
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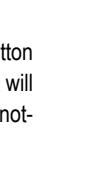
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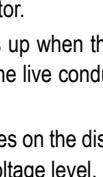
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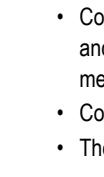
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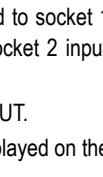
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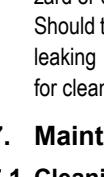
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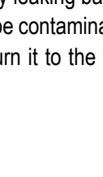
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