

## Eltako WSZ15D-32A

# Eltako ELTA WSZ15D-32A Electronic AC Current Meter Instruction Manual

Model: WSZ15D-32A

## INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of your Eltako ELTA WSZ15D-32A Electronic AC Current Meter. Please read this manual thoroughly before using the device and keep it for future reference. This meter is designed for accurate measurement of alternating current consumption in single-phase 230V systems, compliant with MID standards.

## IMPORTANT SAFETY INFORMATION

**WARNING:** Electrical work should only be performed by qualified personnel. Always disconnect the voltage paths of the meter before commencing any work on the device or its connections. Failure to do so can result in serious injury or death. Observe all local and national electrical codes and regulations.

- Ensure the main power supply is switched off and secured against accidental re-connection before installation or maintenance.
- Verify that the voltage and current ratings of the meter match your electrical system.
- Do not operate the meter if it is damaged.
- Protect the meter from moisture, dust, and extreme temperatures.

## PRODUCT OVERVIEW

The Eltako ELTA WSZ15D-32A is a compact electronic AC current meter designed for precise measurement of electrical energy consumption. It features a digital display for easy reading and is MID compliant, ensuring accuracy for billing purposes in many regions. This single-phase meter is rated for 32 A

and operates at 230 V.



**Figure 1:** Front view of the Eltako ELTA WSZ15D-32A Electronic AC Current Meter. This image shows the compact design, digital display, and connection terminals.

## SETUP AND INSTALLATION

Installation of the Eltako ELTA WSZ15D-32A meter must be carried out by a qualified electrician in accordance with all applicable electrical safety standards and regulations. The meter is designed for DIN rail mounting.

1. **Power Disconnection:** Before starting any work, ensure the main power supply to the circuit where the meter will be installed is completely disconnected and locked out to prevent accidental re-energization.
2. **Mounting:** Mount the meter securely on a standard DIN rail in an appropriate electrical enclosure. Ensure adequate ventilation and space for wiring.
3. **Wiring:**
  - Connect the incoming live (L) wire to the designated input terminal (e.g., L-in).
  - Connect the outgoing live (L) wire to the designated output terminal (e.g., L-out).
  - Connect the incoming neutral (N) wire to the designated input terminal (e.g., N-in).
  - Connect the outgoing neutral (N) wire to the designated output terminal (e.g., N-out).
  - Ensure all connections are tight and secure to prevent loose contacts and overheating.
4. **Verification:** Double-check all wiring connections against the meter's terminal diagram (usually printed on the device or in a separate diagram).
5. **Power Restoration:** Once installation is complete and verified, restore power to the circuit. The meter should power on and begin displaying readings.

*Refer to the specific wiring diagram provided with your meter for exact terminal assignments.*

## OPERATING INSTRUCTIONS

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The Eltako ELTA WSZ15D-32A meter operates automatically once correctly installed and powered. It continuously measures and displays the accumulated energy consumption.

- **Digital Display:** The meter features a digital display that shows the total energy consumed, typically in kilowatt-hours (kWh).
- **Reading Consumption:** The primary reading on the display indicates the total accumulated energy consumption. Depending on the model, there might be a button to cycle through different display modes (e.g., instantaneous power, voltage, current), but the main function is total kWh.
- **MID Compliance:** As a MID-compliant meter, its readings are legally recognized for billing purposes, ensuring accuracy and fairness in energy measurement.

*No user configuration is typically required for basic energy measurement. Consult the full technical documentation for advanced features if available.*

## MAINTENANCE

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The Eltako ELTA WSZ15D-32A Electronic AC Current Meter is designed for maintenance-free operation. No user-serviceable parts are inside.

- **Cleaning:** If necessary, gently wipe the exterior of the meter with a soft, dry cloth. Do not use abrasive cleaners, solvents, or liquids directly on the device.
- **Inspection:** Periodically inspect the meter and its connections for any signs of damage, loose wiring, or overheating. If any issues are observed, disconnect power immediately and consult a qualified electrician.

- **Environmental Conditions:** Ensure the meter remains within its specified operating environmental conditions (temperature, humidity) to ensure longevity and accurate performance.

## TROUBLESHOOTING

If you encounter issues with your Eltako ELTA WSZ15D-32A meter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Meter display is blank.	No power supply to the meter.	Check circuit breaker. Ensure all wiring connections are secure and correct. Verify power is restored to the circuit.
Meter is not counting consumption.	Incorrect wiring or no load connected.	Verify wiring connections (input/output, live/neutral). Ensure there is an active electrical load connected downstream of the meter.
Inaccurate readings.	Faulty meter or external interference.	Ensure the meter is installed correctly and not exposed to strong electromagnetic fields. If issues persist, contact a qualified electrician or Eltako support.

For problems not listed here or if solutions do not resolve the issue, contact a qualified electrician or Eltako customer support.

## TECHNICAL SPECIFICATIONS

Feature	Specification
Manufacturer	Eltako
Model Number	WSZ15D-32A MID
Product Dimensions (L x W x H)	6.4 x 1.8 x 8.2 cm
Weight	80 Grams
Color	Blue
Style	Unique
Power Source Type	Wired (Manual Operation)
Voltage	230 Volts
Current Rating	32 A
MID Compliant	Yes

Feature	Specification
Measurement System	Metric
Included Components	1 piece
Batteries Required	No
Usage	Professional and Personal Use

## WARRANTY AND SUPPORT

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For information regarding warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Eltako website. For technical support, service, or spare parts inquiries, please contact your local Eltako distributor or customer service department.

**Eltako Official Website:** [www.eltako.com](http://www.eltako.com)