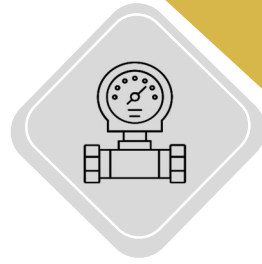




# Home Meter Tester





## What is a home meter tester?

A home meter tester is a professional device for checking the performance and accuracy of water consumption meters in residential environments. This device allows users to verify the accuracy of consumption data recorded by the meters and prevent any errors or malfunctions in their operation. The home meter tester can play an effective role in maintaining accuracy and optimizing energy and resource consumption, especially in small residential and commercial buildings.

This device is produced in digital models, which offer greater accuracy and advanced features such as data transfer to a computer or mobile device via USB port. The meter tester helps users become aware of their actual resource consumption and reduce additional costs resulting from measurement errors.

## Technical Specifications of the Home Meter Tester

- **Device Type:** Digital/Analog
- **Measurement Accuracy:**  $\pm 0.5\%$ , for precise measurement of various resources such as electricity, water, and gas
- **Measurement Range:**
  - For Electricity: 10-36 V DC
  - For Water: Flow rate between 0.1 to 10 cubic meters per hour
  - For Gas: Pressures from 1 to 10 bar
- **Operating Temperature Range:** -10 to +70 degrees Celsius
- **Supported Meter Types:** Mechanical and digital water meters
- **Power Supply:**
  - Rechargeable acid battery with a capacity of 8000 mAh
  - Ability to connect to mains electricity (220 V AC)
- **Display:** LCD with backlight, capable of displaying results accurately even in low-light environments
- **Memory Capacity:** Stores up to 1000 consumption data points for further analysis
- **Connections:** Ability to save data on a memory card
- **Dimensions:** 30 x 35 x 25 cm (depending on the model)
- **Weight:** Approximately 2500 to 4000 grams
- **Operating Time on a Single Charge:** Up to 10 hours of continuous operation with the battery
- **User Interface:** Physical buttons on the device and companion software for displaying and analyzing data





## Advantages of the Home Meter Tester

**High Measurement Accuracy:** This device, due to the use of advanced technologies, allows for accurate data recording from meters and assures the user that the actual consumption level has been measured.

**Ease of Use:** With a simple user interface and the presence of control buttons and a clear display, any user can easily operate it.

**Portability and Easy Mobility:** The lightweight and compact dimensions of the tester make it suitable for use in various environments, making it ideal for technicians or individuals who need to move it frequently.

**Data Analysis Software:** Advanced software is provided with the device, allowing users to perform detailed analysis of recorded data. This feature is particularly useful for optimizing energy and resource consumption management.

**Diverse Power Supply:** The ability to use both battery and mains electricity allows users to operate the device under different conditions.

**Consumption Data Storage:** The home meter tester can store consumption data, enabling users to conduct longer-term analyses of their consumption patterns.

## Applications of the Home Meter Tester

**Residential Use:** This device is ideal for checking water meters in homes and ensuring their accurate functioning. Many home users utilize the meter tester to prevent consumption errors and additional costs due to measurement mistakes.

**Service and Contracting Companies:** Contractors and service companies can use this device to check the accuracy of their customers' consumption and ensure the proper functioning of the meters.

**Small Industries:** In small industrial environments where resource consumption is critical, this device can be beneficial for controlling and monitoring optimal resource use, helping companies ensure the accurate performance of their meters.

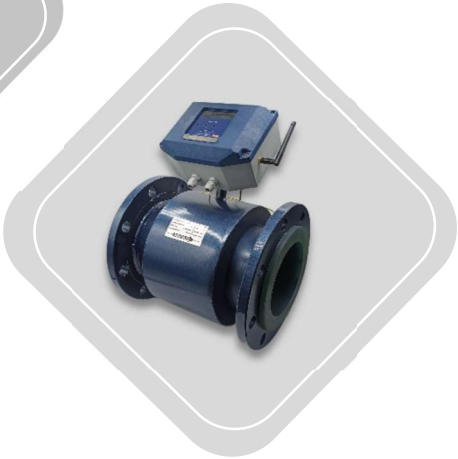
## Conclusion

The home meter tester is a highly efficient tool for precise control and optimization of resource consumption. Despite its higher initial cost, this device can be a sensible investment, particularly for users who want to ensure the accuracy of their meters, thanks to its high precision and advanced features.



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