WORLD WIDE WATER

MTA MESSTECHNIK GmbH

AUSTRIA

For checks according to
ÖVGW W 63,
DVGW W 39

WLA Water Loss Analysis

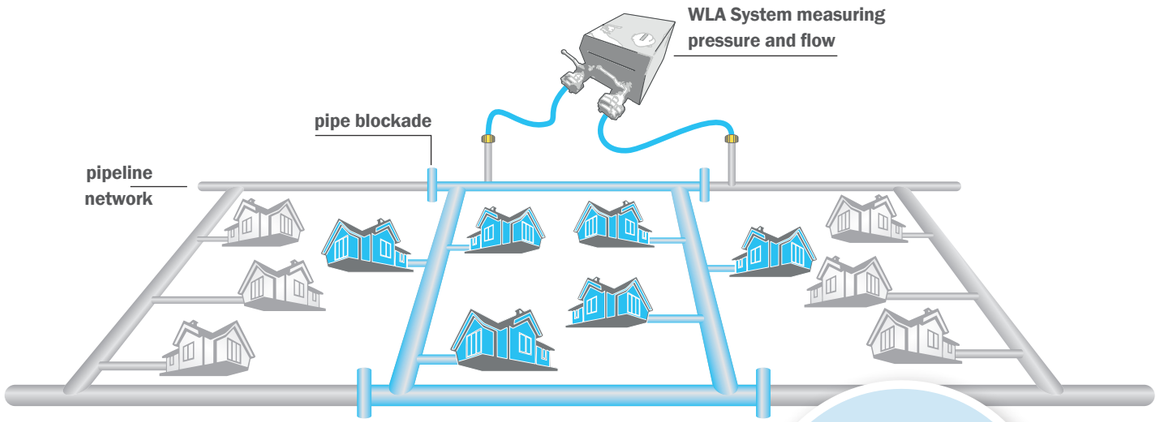
Precise determination and identification of feed-in, flow and water loss volumes.

EPC
EUROPEAN PIPELINE CENTER®

for checks according to
ÖVGW W 63,
DVGW W 39

WIRELESS, MOBILE, BATTERY OPERATED

WLA Water Loss Analysis



SOFTWARE AND OPERATION

software
screenshot

The WLA measuring system provides you with **clear statements** about the amount of losses in the tested pipeline section, allowing you to take targeted measures.

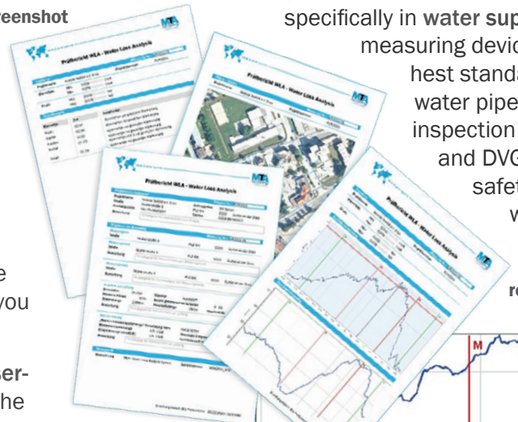
The system is equipped with a **user-friendly software** that simplifies the management of projects and measurements. The WLA system makes it easy to assign measurement data and create precise records of flow and pressure over individually definable periods. This provides you with clear results, taking into account the „zero consumption“ (approx. 20 l/h) during the inspection, even if there are end users in the affected section.

The software features a Windows evaluation interface with a PDF protocol export function.

After performing the measurement, you have the option in the software to directly mark and comment on conspicuous values. This ensures that important data and findings from the inspection remain available and traceable even beyond the measurement period.

AREAS OF APPLICATION

The „WLA – Water Loss Analysis“ system is used specifically in **water supply networks**. With this measuring device, you rely on the highest standards for inspecting main water pipelines. The comprehensive inspection according to ÖVGW W 63 and DVGW W 392 ensures the safety and efficiency of your water supply network.



extensuive
report

measurement curves

Since conventional acoustic measurement methods such as listening or correlation measurements are only useful in conjunction with inflow measurements in the case of non-metallic pipe networks, the WLA system offers a **crucial advantage.** With the combination of precise flow and pressure measurements and state-of-the-art technology, this system provides you with effective and reliable results. You receive information about the amount of water loss (l/min) in the area and can draw conclusions about **where in the pipeline network** the loss occurs.

PROCEDURE OF THE WATER LOSS ANALYSIS

For the examination, the water supply network gets divided into distinct measurement areas. Eith water metering craft, a detailed measurement is done-during the day, or the minimum supply quantity is determined at night. Depending on the pipe length and the number of inhabitants, the permissible feed-in value according to W392 is determined. After comparing the determined and measured values and taking into account the „zero consumption value“, it is specified which measuring area should be examined in detail by using the WLA system,

The WLA analyzer: maximum operating reliability and precision

A reliable water loss analysis in a drinking water network pinpoints cause and location of the water loss. It is done by recording flow rates, consumption curves and pressure loss curves aswell as analyzing the reactions to opening or closing valves.

TECHNICAL SPECIFICATIONS

- A Siemens flow meter
- **System is battery-operated: operating time approx. 4 years** (for the counting unit)
- DN 50
- PN 16 bar
- Q Max : 60m³/h
- Data transmission via Bluetooth (max. 8h before recharge) No more cumbersome cable connections, making work easier and more efficient.

SCOPE OF DELIVERY

The scope of delivery of the „WLA_ Water Loss Analysis“ system in the basic package includes the following components:

- Measuring device including flow and pressure sensors
- 2 connections for bypass installation to carry out the inspection
- Software can also be installed on your laptop for performing and evaluating the measurements
- Permanently installed electronics and measuring unit in a high-quality protective housing

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