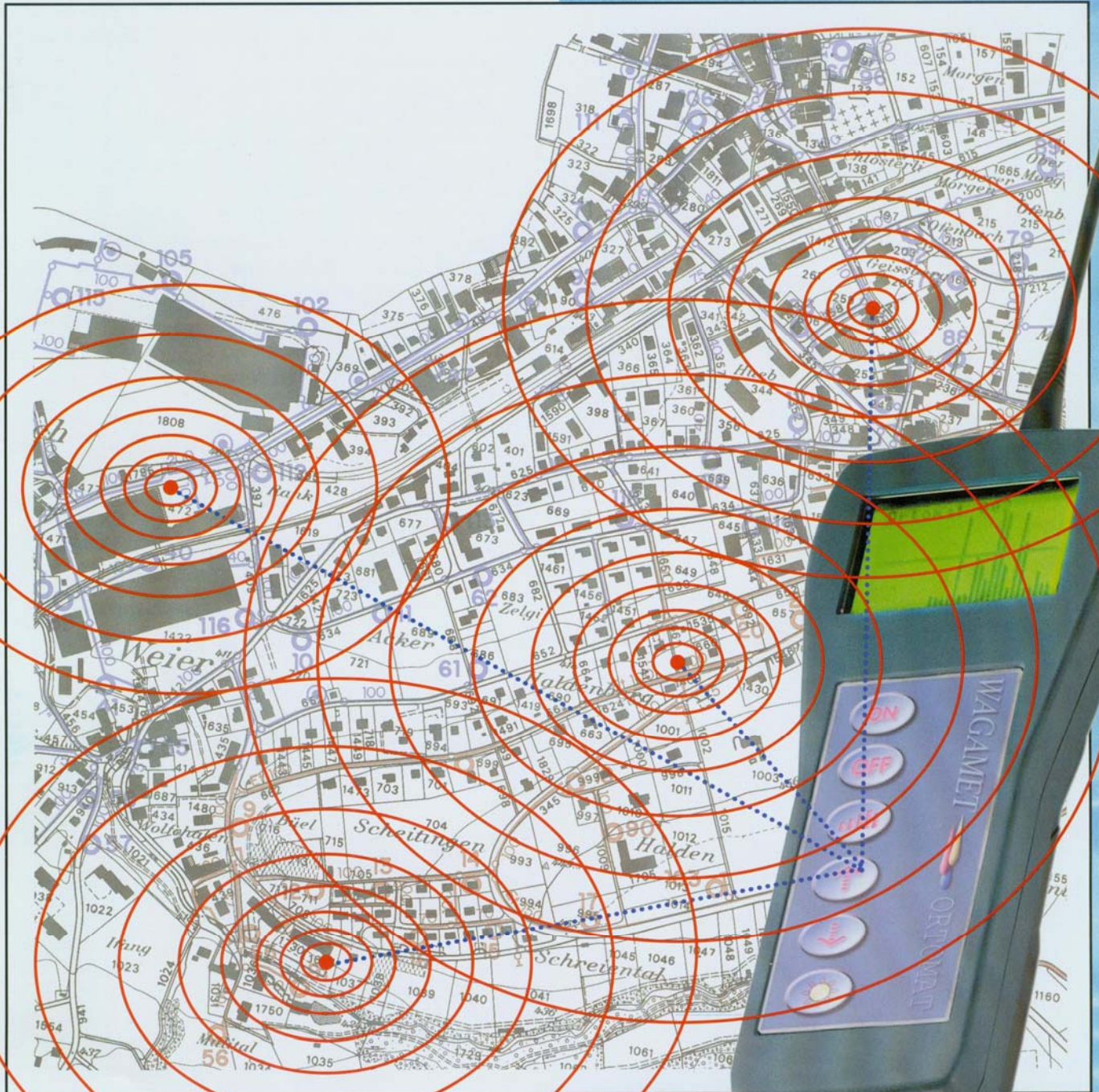


Ortomat[®]

Permanent leak monitoring with radio transmission



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 **WAGAMET**
Gas & Water Technology

Watermains – leaks – leak detection – Ortomat® the very latest in watermain monitoring!

One feature of watermain networks is that they cost a lot of money but are soon forgotten once they have been completed. However, a watermain network is the greatest asset of any water-supply system.

While material goods such as houses, furniture, motor vehicles, etc. can be insured against damage, it is difficult or even impossible to insure a watermain network. **The question is: what price can you put on preventive measures designed to provide maximum protection from damage to a watermain network?**

WAGAMET AG can now offer you the fastest, simplest, most up-to-date leak detection and early recognition system.

Ortomat® permits the early detection of leaks at an early stage with a minimum amount of equipment. The smallest sounds are detected by specially developed vibration sensors and saved in an **Ortomat®** transmitter. **Ortomat®** analyzes the measurements saved and automatically evaluates them. All the measurements of the most recent 16 days are transmitted within one second via radio data communication to an **Ortomat®** receiver in the passing service vehicle. A message immediately appears on the display describing the status of that section of the network.

In future, difficult and time-consuming leak-detection procedures are a thing of the past with this data evaluation system. With the **Ortomat®** system, you can start saving water, time and money immediately!

Installation options:

1. Underground hydrant

Underground hydrants installed in the network can be converted to vibration measurement points with a minimum of effort and expense. It only requires the installation of a special housing, which is screwed onto the hydrant.

2. Aboveground hydrant

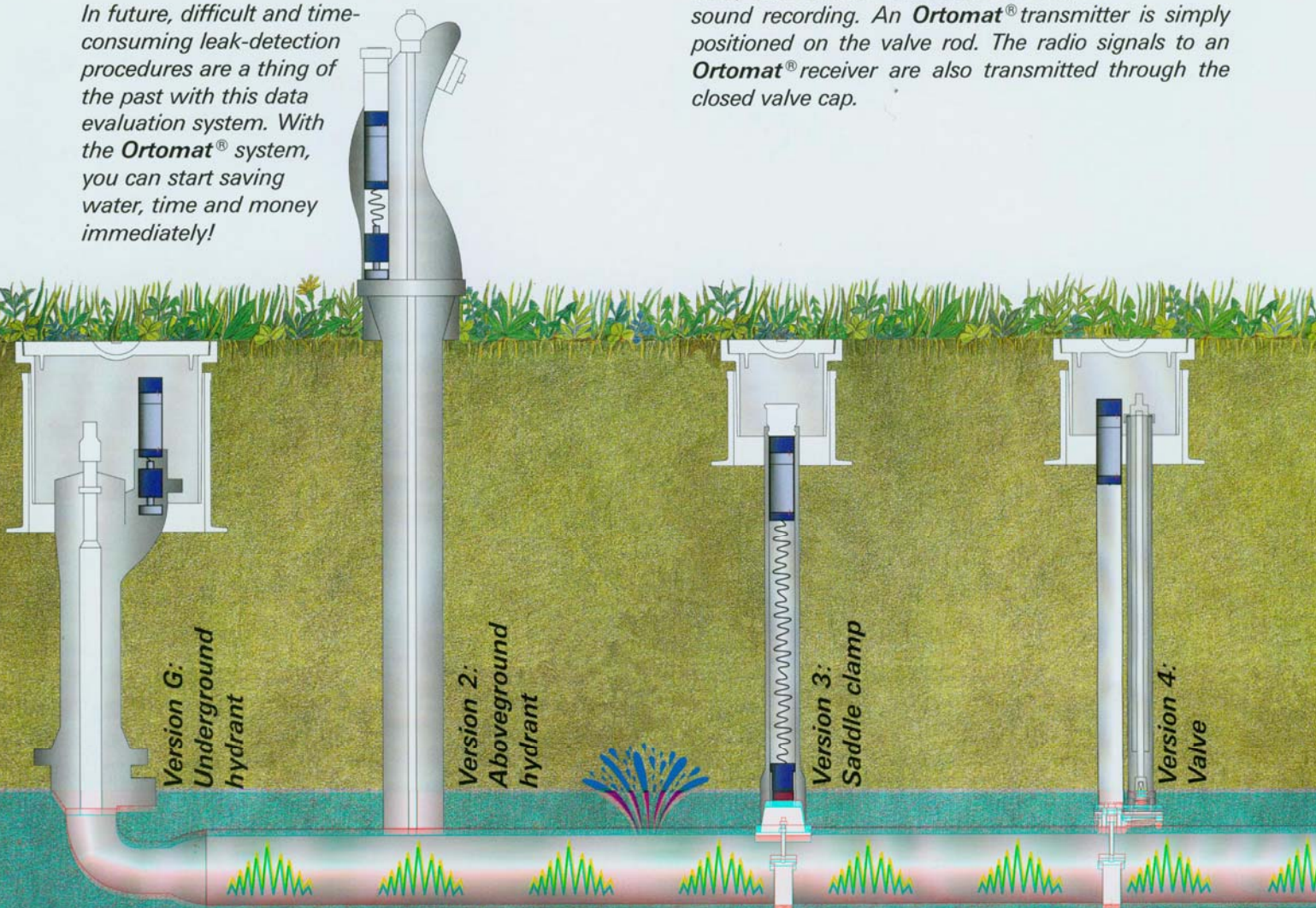
The measuring system is easily identified and found when installed in the measuring shaft of vonRoll AG hydrants 5000SL, 5401 and HY+. This offers optimum accessibility.

3. Saddle clamp

The vibration sensor is fitted directly onto the watermain with a saddle clamp. The valve rod protection sleeve maintains connection with the data logger, which is fitted underground in a special housing. The complete measurement chain is protected under a special cover marked 'Water' and 'Measurement'. What makes this application ideal is the fact that sounds are recorded directly from the watermain and away from background noises.

4. Valves

Every valve can be converted into a superb location for sound recording. An **Ortomat®** transmitter is simply positioned on the valve rod. The radio signals to an **Ortomat®** receiver are also transmitted through the closed valve cap.



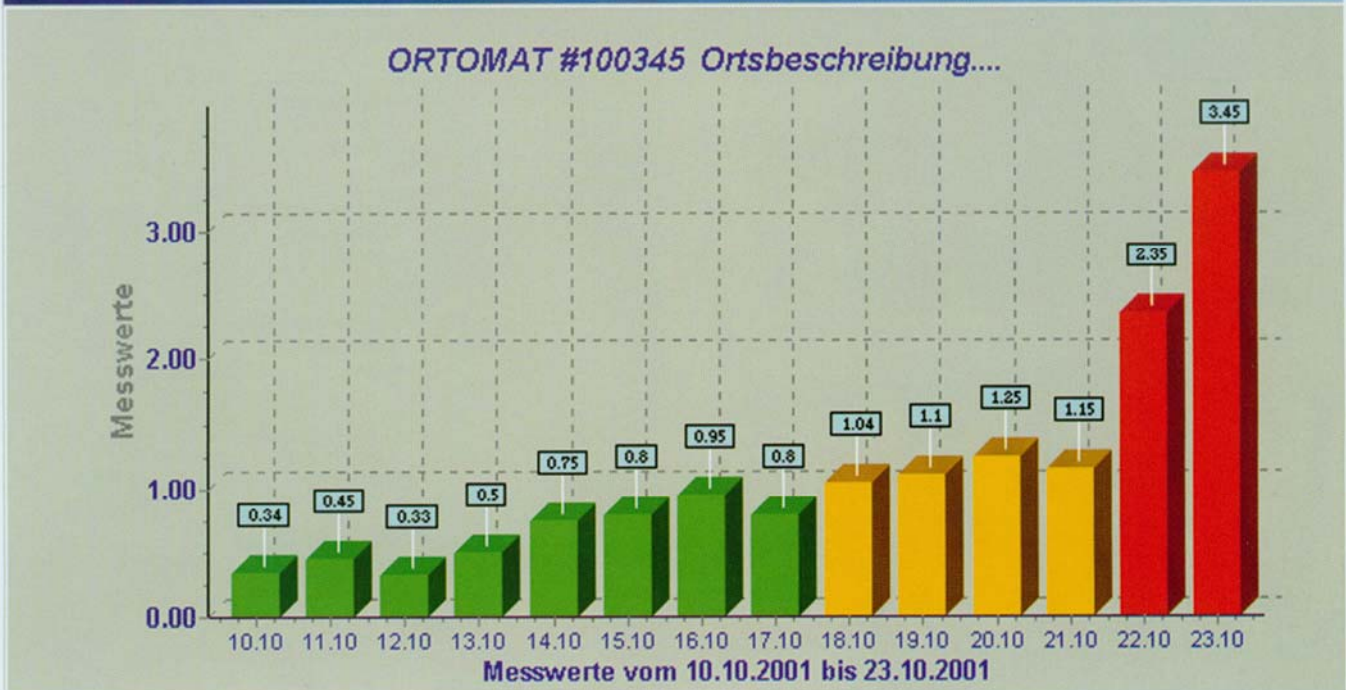
Ortomat[®]

Permanent leak monitoring with radio transmission

Data evaluation via a radio receiver and computer

The measurements transmitted by radio are saved in the radio receiver and immediately displayed in numerical form. After the data has been entered, it can be transmitted by the radio receiver to the computer where it is available for graphic evaluation. The measuring points are simply addressed and set to graphic mode.

Grafik



- ✓ *Protected by patents*
- ✓ *100% Swiss quality, made by WAGAMET*
- ✓ *1,100 measuring systems already sold*
- ✓ *20 years' experience in leak detection*
- ✓ *10 years' experience with permanent leak detection*
- ✓ *Clearly defined cost-benefit analysis*
- ✓ *All-inclusive offer*
- ✓ *Input from 500 measuring locations in the receiver*
- ✓ *Data transmission of the most recent 16 days within 1 second*
- ✓ *The minutest leak sounds are saved every 10 seconds*
- ✓ *Measuring locations can be easily moved*
- ✓ *No installation costs*
- ✓ *Battery service life: approx. 10 years*

Ortomat[®] programmed

The **Ortomat[®]** is programmed using highly user-friendly software, which runs on standard operating systems (Win95/98/NT4/ME/XT). In principle, an **Ortomat[®]** is programmed once and then installed in the watermain network. Any programming changes to an **Ortomat[®]** are transmitted to the radio receiver by pressing a button.



WAGAMET's detectives will find every leak!
Ask for a free demonstration at no obligation.
Our range of gas equipment includes:
- gas detection units - gas detection and measurement vehicles
- explosimeters - gas-loss analyses - leak detection - database
for gas network, etc.

WAGAMET
Gas & Water Technology

User interface for the programming and evaluation of the Ortومات

ORTOMAT Version 0.5

Beenden Einstellungen Grafik Suchen und Sortieren Liste Ausdrucken Hersteller

ORTOMAT #000001	Libellen 1 Maihof HZL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000002	Grendel 1 Altstadt SC Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000003	Weggisgasse 3 Altstadt HZL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000004	Theaterstr. 3 Neustadt HZL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000005	Vonmattstr. 7 Schönbühl HL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000006	Kunsthhaus Bahnhof SC Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: PE Filter
ORTOMAT #000007	Furrengasse 3 Altstadt SC Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter
ORTOMAT #000008	Rigistrasse 9 Bellerive HZL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: PE Filter
ORTOMAT #000009	Brambergstr. 1 Bramberg HL Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: PE Filter
ORTOMAT #000010	Pilatusstr. 8 Bahnhof SC Luzern	Abgelesen 00.00.00 00:00 Kein Leck 0.00 Filter: Stahl Filter

Start Explorer - Win9... Explorer - Orto... Ortomat

Bearbeiten

ORTOMAT #000010 Pilatusstr. 8
Bahnhof
SC
Luzern

Abgelesen 00.00.00 00:00
Kein Leck 0.00
Filter: Stahl Filter

Sendezeiten Messzeiten Datenübertragung Leckerkennung

Anklicken um den PC mit dem Logger zu verbinden

Sendezeiten

Immer Senden
 Nur während der Arbeitszeit senden

Von 06 00
Bis 18 00

Nur an diesen Wochentagen senden

Montag Donnerstag
 Dienstag Freitag
 Mittwoch Samstag
 Jeden Tag senden

Anklicken um den PC mit dem Empfänger zu verbinden

Lebensdauer einer neuen Batterie >10 Jahre (Berechneter Wert ist 11.85 Jahre)
Die tatsächlich erzielte Lebensdauer kann von diesem Wert abweichen