



## TMM – Trunk Main Monitoring

- Quick and easy to program
- Short installation times
- Measurement parameters can be configured remotely



**sebaKMT**  
A member of Megger Group

# Trunk Main Monitoring

## Description

The TMM system consists of the three already successfully used individual components GT3/GT3-S (GSM transmitter), N-3-Hydro (data logger) and the PAM Hydro-3 (highly sensitive hydrophone sensor).

The system can be installed in the maintenance shaft of your pipeline within minutes with relative ease. For measuring with the PAM Hydro-3 hydrophone sensors you need access to the water column. This can be done via standard connections such as GeKa or bulkhead couplings.

### The measuring procedure is simple:

The N-3-Hydro data logger receives and saves the measurement data via the connecting line on the hydrophone. Depending on the measuring period programmed, the GT3/GT3-S then transmits the saved data to the SebaCloud web software via GPRS.

## Advantages

By default, the TMM system operates with a hydrophone sensor coupled to the GT3/GT3-S.

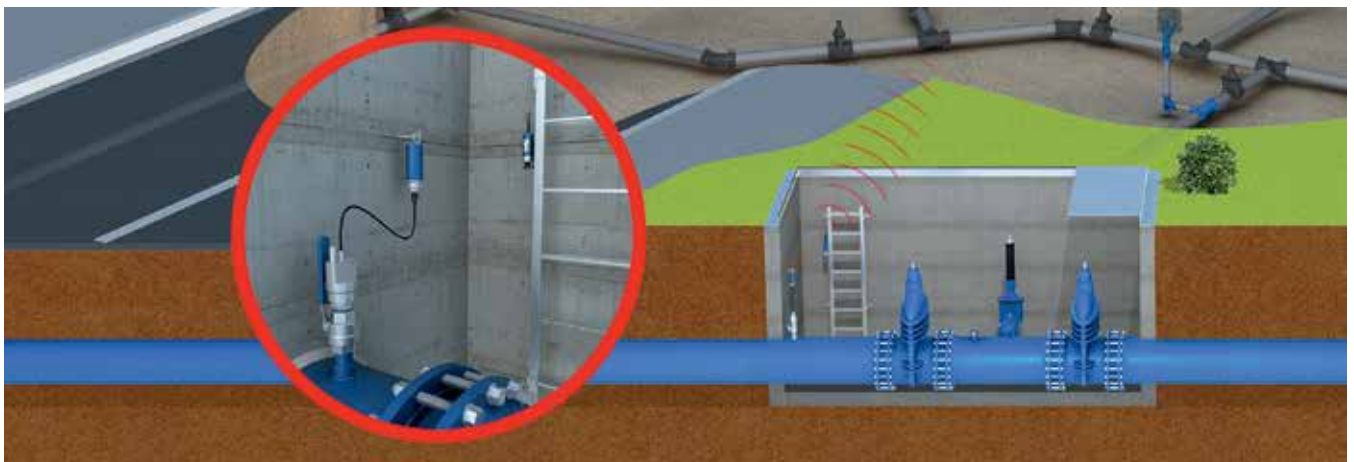
### But that's not all!

The GT3/GT3-S offers the option of adding two more loggers to the measurement. This might be, for example, the N-3 noise level logger and the P-3 pressure logger. Thus you can expand your measuring points if you choose to and have the option of verifying potential leak noises perfectly by using various readings.



## Alert function

Of course, the TMM system also provides the alerting function already known from the D-3 data logger or the N-3 network. If individually programmable limits are exceeded in the event of a leakage, you can be notified via email or text message, that enables you to respond immediately.

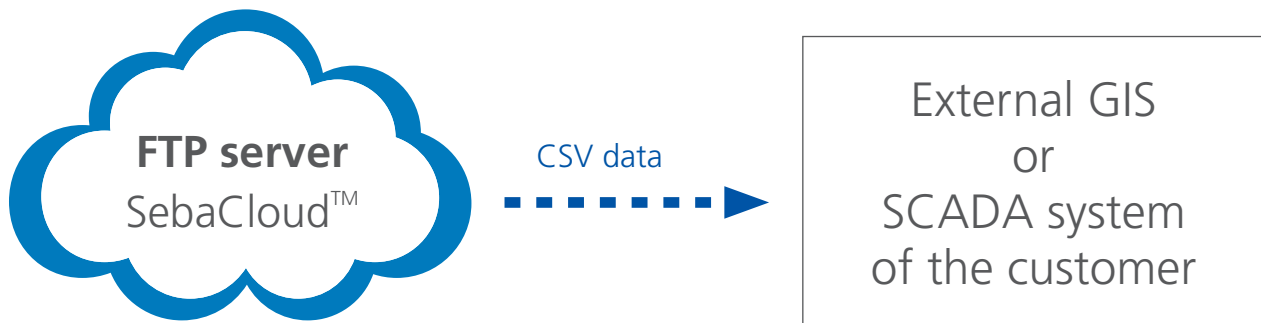


## SebaCloud web software

In the SebaCloud all the collected data is converged on a daily basis and can be easily evaluated. The monitored course of the pipe can be displayed and edited in a Google map.

You can also download the map and the current measurement data from the SebaCloud onto local computers or laptops. Moreover, the SebaCloud web software is compatible with industry standard SCADA or GIS systems and can therefore be integrated in your control center.

**To minimize time and costly personnel, the TMM system can be completely configured remotely via SebaCloud.**



## Technical data

<b>GSM transmitter GT3</b>	
Dimensions (incl. antenna)	1.73 x 1.73 x 4.88 in (44 x 44 x 124 mm) 1.73 x 1.73 x 6.30 in (44 x 44 x 160 mm)
Weight	0.5 lb (225 g)
Power supply	2 x AA 1.5 V lithium
Operating time	Up to 2 years
Operating temperature	-4°F to +140°F (-20 °C to + 60 °C)
Data transmission	GSM / GPRS
Alerting system	Text message, email
Communication	Bi-directional wireless
Protection class	IP 68
<b>GSM transmitter GT3-S</b>	
Dimensions	Length: 9.5 inches (24.13 cm) Diam: 2 ¾ inches (6.99 cm)
Weight	Weight 1.5 lbs (680 g)
Power supply	Internal D cell 3.6 V
Operating time	Up to 3 years
Operating temperature	-4°F to +140°F (-20 °C to + 60 °C)
Data transmission	GSM / GPRS
Alerting system	Text message, email
Communication	Bi-directional wireless
Protection class	IP 68
Auto location system	Daily GPS synchronization; integrated GPS
<b>Data logger N-3 Hydro</b>	
Dimensions	4.53 x 1.77 in (115 x 45 mm)
Weight	0.63 lb (289 g)
Power supply	Internal battery
Operating time	Up to 5 years
Protection class	IP 68
Operating temperature	-4°F to +140°F (-20 °C to + 60 °C)
Communication	Bi-directional wireless
<b>Hydrophone PAM Hydro-3</b>	
Dimensions	4.33 x 2.52 in (110 x 64 mm)
Weight	0.88 lb (400 g)
Power supply	Logger / correlator
Protection class	IP 68
Operating temperature	+32°F to +140°F (0 °C to + 60 °C)
Connections	1.5" thread
Communication	Connection cable 9.84 ft (3 m)

View videos and learn more at [www.reduce-nrw.com](http://www.reduce-nrw.com)

## Scope of delivery

- GSM transmitter GT3/GT3-S
- Data logger N-3-Hydro-TNC
- Hydrophone PAM Hydro-3

## Optional accessories

- Pressure logger P-3
- Pressure logger P-3-Mini
- Noise logger N-3

### SebaKMT / Megger

2621 Van Buren Avenue · Norristown, PA 19403 · USA  
Tel. 1-800-723-2861 ext. 8578 · Fax 610-676-8625  
VFCustomerSupport@megger.com

### SebaKMT

Dr.-Herbert-lann-Str. 6 · D-96148 Baunach  
Tel. +49(0)9544 - 680 · Fax +49(0)9544 - 2273  
sales@sebakmt.com



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[www.sebakmt.com](http://www.sebakmt.com)