



## TMate WMR

# Test and validate Wireless M-Bus installations with ease!

### MARKETS



Energy



Industry

### USE CASES

- Smart Metering
- Smart Grid
- E-Mobility
- Industry 4.0
- Internet of Things (IoT)

### THE SMART METER ROLLOUT CHALLENGE

More and more devices get connected with gateways via Wireless M-Bus within smart meter rollout projects. Constant reachability and a reliable data transmission are critical success factors for projects. Hence it is strongly advisable to carry out a detailed test of the installed devices and antennas, in order to receive valid data and to select the right components for installation projects.

At this point, many installations are not measured in any way. There is no way to tell if signal level and data transmission rate are within specification for the given application. A simple check on device configuration and on if a device transmits at all is often missing. As a result, many installations have to be aborted or repeated multiple times, until the desired result is reached.

### SOLUTION

ENQT offers the TMate WMR, a handheld measurement device in a robust housing for Wireless M-Bus, which convinces with its simple controls and plausible measurement results. Besides parameters like the signal strength, complete Wireless M-Bus telegrams are received and may be reviewed on demand.

Therefore this handheld goes far beyond other measurement solutions capabilities and offers an integrated, complete assessment of a network's quality. Expensive failed installations can be avoided this way.

On request incl. robust  
outdoor smartphone from  
Samsung with pre-installed app!

**Overview:** TMate WMR is built in a robust housing, with an easy to read OLED display, intelligent software, integrated battery and comes with the needed external charger. Various external antennas may be connected to the antenna port. This enables you to identify and test the right antenna model, as well as the ideal position (e.g. within the meter box). TMate WMR allows you to make a valid estimation, if and where your Wireless MBus connection may be realized.

**Measure method:** The handheld's intelligent software receives all Wireless M-Bus (OMS) messages. This data may be reviewed and analyzed within the associated Android App via Bluetooth Low Energy (BLE). If necessary, the Wireless M-Bus telegrams may be displayed as well.

**Data provision:** Recorded measurement data is displayed within the associated Android App and may be exported to different formats (e.g. CSV). An interface to your already existing systems may be developed on your request.



## YOUR ADVANTAGES

- Avoid unnecessary customer visits.
- Reliable assessment of Wireless M-Bus networks.
- Network analysis: Raw data view of Wireless M-Bus telegrams.
- Ideal testing results through flexible usage of various antennas.
- Easy to use for installers and other personnel
- Individual adjustments according to your requirements possible



## SPECIFICATIONS

- Wireless M-Bus and OMS compatible
- Robust Housing
- OLED-Display
- 1 SMA interface for external antennas
- Micro USB port
- Battery: Lithium Ion
- Optional: Car charger, transport case

Contact us for  
your proposal



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ENQT offers innovative technology solutions and comprehensive consulting services related to Internet of Things and Industry 4.0 for different industries. Our goal is to assist you to quickly capture diverse data at any location, as well as to safely transfer and easily provide it for evaluation. Our offering combines innovative sensor technologies and intelligent software for data analysis with reliable know-how about industry-specific processes and challenges.

No matter if you wish to optimize your business processes or products, offer additional services or develop new business models, ENQT is your competent, reliable partner supporting you to achieve sustainable competitive advantages in the course of digitization.