

Emeris TPR11

AMR transmitter with integrated
Wavenis radio module



Emeris TPR11

Key features and benefits

- Suitable for mobile and fixed network applications. No need to change modules when upgrading from mobile to fixed networks.
- Long range transmission. Ensures more meters can be read in a shorter time.
- Fully programmable datalogging. Support on-date billing, consumption profiling and water balancing.
- Small footprint. It can even fit in the smallest of places (e.g. boundary box).
- Optional external antenna. Ensures the best transmission range when the meter is totally flooded.
- Long battery life. Provides certainty of performance for its lifetime, without sacrificing on the two-way functionality.
- Powerful, date-stamped, monitoring features, e.g. consumption, leak, burst, tamper, low battery alerts. Supports advanced monitoring and earlier problem resolution.

Improved data collection

With the TPR11, the utility is instantly more flexible, responsive and efficient. It ensures, for example, that customer service staff have the information they need, exactly when they need it – in fact, with fixed networks, readings can even be taken during a service call. The TPR11 also allows the utility to collect more customer usage information through more frequent readings (actual or datalogged), allowing them to improve customer communications and reduce billing disputes. Furthermore, billing dates need not be determined by the meter reading cycle. By using the TPR11's datalogging feature to collect readings at a specific time, every customer can be billed to that date, regardless of the time it takes to read the whole meter stock. The TPR11 can also give the utility leak, burst, tamper, backflow and low battery alerts.

Easy and secure installation

TPR11 AMR transmitters are both easy and quick to fit to pre-equipped Elster water meters.

Best for pit applications

Meters housed in pits and basements can present a challenge to an AMR system, because the radio signal can be blocked by the surroundings. And the lower the radio, the harder it is to read. But not with the TPR11. Its external antenna option means that, wherever the meter is positioned, the antenna can be fitted at the top of the pit, giving the best radio performance possible.



Advanced data & monitoring

The TPR11 incorporates the following data monitoring features.

Alerts

- Leak alerts let the utility (and the customer, if a customer display unit is available) know as soon as a leak is detected. This not only improves customer service but helps reduce overall water loss, saving supply and pumping costs.
- Burst alerts activate when the flow is unusually high for an unusually long period.
- Tamper alerts provide notification when the TPR11 has been lifted off the meter.
- Backflow alerts warn when reverse flow is detected. This could be caused by a network fault, or by customer reversing a meter.
- Battery low alert warns when the unit needs replacing.

Datalogging

- Each TPR11 provides both the current meter reading and 24 logged readings (2100 logged readings also available).
- Setting the logging to once per month (on a specified day) gives either mobile or fixed networks a record of monthly reads for every meter. This can be used to bring all customer billing dates into line or for water balance (e.g. for seasonal tariffing or for leakage detection in the network).



About Elster Group

A world leader in advanced metering infrastructure, integrated metering, and utilisation solutions to the gas, electricity and water industries, Elster's systems and solutions reflect over 170 years of knowledge and experience in measuring precious resources and energy. Elster provides solutions and advanced technologies to help utilities more easily, efficiently and reliably obtain and use advanced metering intelligence to improve customer service, enhance operational efficiency, and increase customer benefits. Elster's AMI solutions enable utilities to cost-effectively deliver, manage, and conserve the life-essential resources of gas, electricity, and water. Elster has over 7500 staff and operations in 38 countries in North and South America, Europe, and Asia.

For additional information, visit www.elster.com

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