

TagMeter Prepayment Watermeter:

TagMeter Systems proudly presents a revolutionary, one-of-a-kind prepayment system for water and electricity. We offer a complete system besides our water meters and energy meters and we are able to implement custom made or tailor-made systems.

Our meters, both water and electricity, can be equipped with AMM (Automatic Meter Management) which is an expansion on AMR (Automatic Meter Reading). From a remote site we can control the meters

and open or close the valve or switch and upgrade the credits/balance of the meter using M2M solutions. Look at our Products page and find out the huge benefits of our system.

The AMM module operates using SMS/GPRS communication. Due to high volume production we can offer the AMR meters with SMS/GPRS for the same price as competitors do without AMR. We are convinced that our meter is the most intelligent meter with proven references and with a short Return on Investment Time.

Via an internet site water or energy can be bought and paid, using the standard methods of payment by internet. The bank confirms the transaction by informing a Gateway System, which will send an appropriate SMS to the meter of the customer. The intelligent meter will translate the SMS into an update of purchased credits.



Products:

- **Prepayment Water Meters:**

For domestic, household, yard or residential use.

Types: Qn 1.5 and Qn 2.5 class B

- **Prepayment Electricity Meters:**

1-phase and 3-phase

- **Split Meters:**

Where meter and remote electronics are communicating by means of wires or even wireless using Radio Frequency communication

- **AMR Metering:**

(Automatic Meter Reading) using GSM/GPRS/SMS communication

- **AMM Metering:**

(Automatic Meter Management): controls your meter like upgrading credits or balance, Open and/or Close integrated Valve (water meters) or switch (electricity meters), On demand AMR, etc.

- **Industrial or Bulk meters:**

up to Qn 100

- **Communal Dispensers or Standpipe:**

both above ground level and frost-proof below ground level



Prepayment Watermeters:

Our Standard Prepayment Meters have the following benefits/performances:

- ✓ Proven references;
- ✓ IP:68;
- ✓ True digital counter mechanism, not derived from mechanical counter constructions;
- ✓ Easy implementation;
- ✓ Contact less RFID-Transponder technology using Tags, results in much less service and maintenance;
- ✓ Very, very accurate. Measuring over 100 pulses a liter resulting in a resolution of 0.01 liter and accuracy of 0.05 liter;
- ✓ Easy to operate also for untrained and unskilled people;
- ✓ Build in fraud detection of strong external applied electromagnetic fields, opening the meter, and optional bypass. Attempt of fraud is recorded onto the Tag and will be detected at the office;
- ✓ Battery powered. Lifespan battery five years at least. Where an external power supply is used, the battery operates as a backup battery. Another option is to make use of our hydro-generator;
- ✓ Individual tariffs, block tariffs and free water possibilities are implemented;
- ✓ A powerful PC-based system creates effective water and cash flow management tools for a Water Board or Municipality;
- ✓ Return on Investment in a relative short period of time;
- ✓ High volume production results in low cost prices of the meter and spare parts;



Tags:

Our meters are equipped with passive RFID-Tags and do not have any bottoms. The Tags transfer data from the extensive and flexible Management System to the meter and visa versa.

We make use of two types of tags:

- **UserTags:** These Tags are used by the customer. Credit or balance, total counter and status of the meter are stored onto this type of Tag including an individual tariff if needed. The UserTags can be used in disposable or a rechargeable way or manner.
- **ServiceTags:** for maintenance purposes, to read out or set parameters of the meter, used by the Service Department you need special Tags.



Split Metering AMR/AMM/M2M:

In situations when meters and electronics need to be separated, or in cases where the meter need to be read out from a remote site using AMR (Automatic Meter Reading), AMM (Automatic Meter Management) and/or M2M (Machine to Machine)solutions, we can provide our Intelligent Metering Concept.

The intelligent Metering Concept consists of a standard prepayment meter equipped with a GSM/GPRS Modem. Benefits as follow:

- No need for human meter readers, read out a meter on demand using our Management Software
- Control your meter. Open or close the integrated valve, upgrade the balance or credits in the meter, set or reset total counter of the meter or put the meter into ServiceMode.

The electronics of the meter and meter itself are connected by a cable. Cutting or damaging the cable does close the valve. The meter is put into tamper mode and an appropriate SMS message is sent to the Gateway. The meter is locked and only ServiceTags can put the meter out of this status.



NEW: now also a wireless connection between meter and electronics is available using IEEE802.15.4 protocol.

The GSM based system is powered by means of mains power supply. The integrated battery pack operates like a backup battery so is a mains power failure occurs , the battery backup will supply the power for about 80 days.

Commercial Standpipe/Dispensers:

In areas without the infrastructure for domestic, yard or household meters, we can provide INOX tamper proof standpipes. Several households in a definable area can make use of a single standpipe.

We also provide frost-proof below ground level stand pipes, an ideal solution for market fairgrounds and marinas.

Industrial and bulk metering:

When large amounts of water are needed, bulk meter or an industrial meter is needed. We provide meters, valves and electronics to control the meters.

In general, power supply or mains supply is available when using these kinds of meters. Remote metering or AMR/AMM/M2M is becoming more and more common. The electronics have a battery backup to insure proper operation when power fails. A SMS message could be sent to the host in this case.

