

AMR

Wireless Water Meter Monitoring

The AMR Smart Water Meter is a revolutionary low cost water monitoring solution. With no power supply or data cables required you can connect the device to any compatible water meter within mobile phone coverage. Meter readings and water consumption information are automatically transmitted to your website or directly to your billing system. Internal batteries will last 5+ years!

- * Demand management
- * Irrigation compliance monitoring
- * AMR for hard to read meters



- Step 1** Connect to compatible water meter
- Step 2** Swipe magnet to activate your AMR
- Step 3** You're done! View data from your website

Beautifully Simple

Simple to install. No on-site concentrator or software

Graphs & Reports

Simple website data analysis and system management

IP68 Waterproof

Completely waterproof device. Save money on extra enclosures.

5+ Year Battery Life

The internal lithium batteries will last for 5 years!

Global Coverage

Install the device anywhere with GSM mobile phone coverage

Email & SMS Alarms

Alarms sent instantly via email or text message

100% Brandable

Make the solution your own with custom logos and web skins

API Data Interface

Interface with your own system using REST or FTP API's

Group Management

Manage large numbers of devices with group management and maps

Where do I get a SIM card from?

You don't. The device is shipped with a SIM card already installed for your country. Your usage charges are managed through the web interface.

Is there a charge for the SIM and web platform?

Yes. You pay one low cost monthly or yearly invoice that covers both the SIM costs and the web platform for all your connected AMRs. There is a fixed fee for each country and these charges can be pre or post paid by credit card or direct payment.

Can I stop my monthly charges at any time?

Yes. Unless you are in a contract you can deactivate the device from the web platform and halt your monthly charges. You can activate the device again later.

Can I have more than one meter per AMR?

Not with this product. We have done our best to make this product beautifully simple. Enquire for a special 2 channel version to support dual meters.

Can my company integrate this solution and market it as part of our own service offering?

Yes. The website is 100% brandable and you can even reprogram your web display template yourself using javascript. Alternatively use the API to interface with your existing solution.

How long will the internal batteries last?

The batteries will last for 5 years. Enquire for a special AMR version for Water Authorities that will last up to 10 years.

When does the daily upload of data occur?

You can choose the hour of the day that the previous 24 hours worth of data is sent to the website. It will happen at some point in this hour.

Is there tamper detection?

Yes. If the cable joining the AMR to the meter is cut an alert is sent to the website. The AMR will record zero flow rate after tamper. If the cable is reconnected the flow readings will restart. If the water meter has an internal electronic register then no flow data is lost.

How does the AMR send the data?

The AMR connects to the mobile GPRS data network and sends data using HTTP over TCP/IP to the AMR web servers. All configuration and firmware updates occur the same way.

What water meters are compatible with AMR?

AMR is designed to work with any water meter that has a reed switch 'pulse output'. It will also work with electronic 'transistor pulse output' meters that do not exceed 20hz pulse frequency. For faster frequencies consider using the EVO advanced logger.

Technical Specifications

Analog Inputs

Channels	-
Accuracy	-
Electrical	-

Digital Inputs

Channels	1
Electrical	Pullup to internal 2.8V
Frequency	Max 20hz

Datalogger

Flash Memory	300K
Channel Sampling Rate	15 min per channel

Power

Power Input	Internal, no recharge
Active Mode Current (GPRS ON)	na
Idle Mode Current (GPRS OFF)	na
Power-down Sleep Current	na

GPRS

Frequency	900/1800/850/1900Mhz
Antenna	Internal

Physical

Size	110mm x55mm x40mm
Weight	150g (5.25 oz)
Operating Temperature	-5 C to 60 C