

eLog

Product Specification

The eLog solution allows you to precisely monitor the consumption of a water meter 24 hours a day. It is easy to install and involves no costly IT projects.

The solution comprises the eLog datalogger and a data collection and visualization software solution.

It offers an array of options for effective management, control and analysis. The user can easily access metering data and events, from leak warnings or anomalous consumption, through to analysis of the correct meter sizing.



WHY USE THE ELOG SOLUTION?

COST EFFICIENCY

- Cost-efficient logging solution for even small meter sizes
- No investment in IT infrastructure

SIMPLE AND CONVENIENT

- Easy installation and configuration of the device with no need for specialised knowledge
- Fixed communications costs, with no extra data costs
- Available in most locations in the world with GPRS coverage
- Software as a Service (SaaS) model for overall simplicity and convenience

SECURE

- IT security: application servers and databases located in a secure, controlled environment
- Communications security: non-removable e-SIM cards paired with secure private network

ADVANCED MONITORING

- Revenue assurance through complete control of the meter health, fraud detection and optimised meter dimensioning
- Better informed and updated customer service
- Ability to provide added value services to the customer (alarms, consumption data...)
- Better support to network behaviour monitoring

SPECIFICATIONS

- Internal tri-band 900/1800/1900 GPRS antenna
- Industrial design 94x94x57mm
- Equipped with a 14.5 Ah battery
- Ultra low power design (>12 years life monthly transmission) see note
note: reduces to 5 years with daily transmission regime
- IP68, resistant to water and dust
- Compatible with Elster PR6, PR7 and reed switches
- GSM/GPRS class 10
- Internal, non-removable e-SIM card
- Fully potted box
- Operating temperature: -15 to +65°C

DATA DELIVERY

- Remote firmware 'over the air' upgrades
- Remote configuration tools
- Delivery of accumulated consumptions histograms and self-diagnosis
- Configurable frequency of data delivery
- Network Time Synchronisation
- Data-logging capabilities (information is stored until database delivery)

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HOW DOES IT WORK?



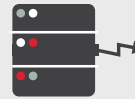
The eLog device is connected to the pulse output of the meter.



The eLog reads the meter periodically and logs the reading values in internal memory.



Periodically the eLog transmits the logged data to a central data centre.



The user can then access all data through a dedicated, secure web portal.



The eLog can also provide daily maximum and minimum flows, as well as alerts such as potential leak, burst and low battery level.

WEB PORTAL

The eLog data management solution is delivered as online software, which does not require any setup in the customer premises. Data is securely kept and managed so it can be accessed from anywhere with an internet connection, by a user with a web browser and secure password.

The portal can be branded with customer logo and URL, and displays all data in Excel format for further manipulation. Information is shown both in tabular and graphical manner. The status of the meters and anomalies are presented to the user, including leak detection and abnormal consumption.

NAVIGATING THE WEB PORTAL

MAIN SCREEN

It is the first screen presented to the user once authenticated using their secure password.

The information is separated by tabs for easy navigation. Data presented includes readings, consumption, alarms and additional information like volume per flow rate and volume by hour.



DATA DRILL DOWN

To further visualize consumptions, the individual eLog device is selected; the date range for which consumptions are to be displayed is then used to filter data.

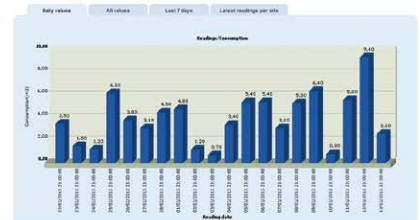
The system allows all the information related to a meter to be saved in *.csv, *.xls and *.pdf format in case further processing or reporting is required.

Site	Transaction	Name	Reading Index	Consumption	Last reading
Elster	1303P10001	OB00S	2037.491 m3	0.000 m3	13032015 19:14:00
Elster	1303P10001	OB00S	2037.491 m3	0.000 m3	13032015 21:00:00
Elster	1303P10001	OB00S	2014.646 m3	0.007 m3	11632015 21:00:00
Elster	1303P10001	OB00S	1955.706 m3	0.007 m3	10032015 21:00:00
Elster	1303P10001	OB00S	1928.611 m3	0.116 m3	09032015 21:00:00
Elster	1303P10001	OB00S	1923.482 m3	0.000 m3	08032015 21:00:00
Elster	1303P10001	OB00S	1734.424 m3	0.007 m3	07032015 21:00:00
Elster	1303P10001	OB00S	1702.616 m3	0.142 m3	06032015 21:00:00
Elster	1303P10001	OB00S	1668.624 m3	0.000 m3	05032015 21:00:00
Elster	1303P10001	OB00S	1628.331 m3	1.807 m3	04032015 21:00:00
Elster	1303P10001	OB00S	1627.486 m3	0.000 m3	03032015 21:00:00
Elster	1303P10001	OB00S	1627.486 m3	0.000 m3	02032015 21:00:00
Elster	1303P10001	OB00S	1627.486 m3	0.000 m3	01032015 21:00:00
Elster	1303P10001	OB00S	1603.376 m3	0.000 m3	28022015 21:00:00
Elster	1303P10001	OB00S	1577.552 m3	0.000 m3	27022015 21:00:00
Elster	1303P10001	OB00S	1538.364 m3	0.000 m3	26022015 21:00:00
Elster	1303P10001	OB00S	1470.266 m3	0.000 m3	25022015 21:00:00
Elster	1303P10001	OB00S	1434.050 m3	0.000 m3	24022015 21:00:00
Elster	1303P10001	OB00S	1336.954 m3	0.000 m3	23022015 21:00:00
Elster	1303P10001	OB00S	1268.067 m3	0.150 m3	22022015 21:00:00

GRAPHICAL INFORMATION

The consumption data can also be seen in a graphical way to generate a quick view of the consumption profile.

The customer can configure different alarms for each meter to be notified when there is consumption above a threshold chosen by the customer or an indication of possible leak (more than x days with an hourly consumption above zero).



For more information

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