

eLog 水表产品名

Product Specification 产品规格

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.

eLog解决方案可以让你一天24小时精确监控水表的消耗。它易于安装，并且不涉及昂贵的IT项目。该解决方案包括eLog 数据记录器，一个数据收集器和可视化软件解决方案。它为有效的管理、控制和分析提供了一系列选项。用户可以很容易地访问计量数据和事件，从泄漏警告、异常消耗到正确的计量分析。



WHY USE THE ELOG SOLUTION?

为什么使用ELOG解决方案?

COST EFFICIENCY 成本效率

- Cost-efficient logging solution for even small meter sizes
低成本高效的日志记录解决方案，即使是小尺寸的仪表
- No investment in IT infrastructure
对IT基础设施没有投资

SIMPLE AND CONVENIENT 简单和方便

- Easy installation and configuration of the device with no need for specialised knowledge
易于安装和配置的设备，不需要专业知识
- Fixed communications costs, with no extra data costs
固定通信成本，没有额外的数据成本
- Available in most locations in the world with GPRS coverage
可在全球大部分地区使用GPRS覆盖
- Software as a Service (SaaS) model for overall simplicity and convenience
软件即服务(SaaS)模式，整体简单方便

SECURE 安全

- IT security: application servers and databases located in a secure, controlled environment
IT安全性：程序服务器和数据库均位于安全、受控环境中。
- Communications security: non-removable e-SIM cards paired with secure private network
通信安全：不可移动的e-SIM卡与安全专用网络配对

ADVANCED MONITORING 先进的监控设备

- Revenue assurance through complete control of the meter health, fraud detection and optimised meter dimensioning
通过控制仪表健康、进行欺诈检测和优化仪表尺寸来保障收益
- Better informed and updated customer service
更好地了解 and 更新客户服务
- Ability to provide added value services to the customer (alarms, consumption data...)
为客户提供增值服务的能力(报警、消费数据.....)
- Better support to network behaviour monitoring
更好地支持网络行为监控

SPECIFICATIONS 规范

- Internal tri-band 900/1800/1900 GPRS antenna
内置三频段900/1800/1900 GPRS天线
- Industrial design 94x94x57mm
工业设计尺寸94x94x57mm
- Equipped with a 14.5 Ah battery
配备14.5 Ah电池
- Ultra low power design (>12 years life monthly transmission) see note
超低功率设计(>12年寿命每月传输) see note
note: reduces to 5 years with daily transmission regime
每日传输的话寿命是5年
- IP68, resistant to water and dust
IP68, 防水、防尘
- Compatible with Elster PR6, PR7 and reed switches
兼容Elster PR6、PR7和簧片开关
- GSM/GPRS class 10
GSM/GPRS等级10
- Internal, non-removable e-SIM card
内置不可移动的e-SIM卡
- Fully potted box
内部完全灌胶，密封
- Operating temperature: -15 to +65°C
操作温度：-15 + 65°C

DATA DELIVERY 数据传输

- Remote firmware 'over the air' upgrades
远程固件“空中”升级
- Remote configuration tools
远程配置工具
- Delivery of accumulated consumptions histograms and self-diagnosis
提供累计消耗柱状图和自我诊断
- Configurable frequency of data delivery
可配置的数据传输频率
- Network Time Synchronisation
网络时间同步
- Data-logging capabilities (information is stored until database delivery)
数据记录功能(信息存储到数据库以完成后面的传输)

不管是GPRS class 10还是GPRS class 8都是指GPRS终端能使用的信道数量，像手机的GPRS功能多为 class 8、class 10、class 12的，它们并不是指有8、10、12个信道可以供你使用，它们的总信道都是5个，它们的区分主要在于最大可以使用的上行信道，它们的下行信道最大都是可以使用4个信道的。

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eLog还可以提供每日最大流量和最小流量，以及潜在泄漏、爆裂和低电量等警报

HOW DOES IT WORK? 它是如何工作的？



eLogi设备连接到仪表的脉冲输出

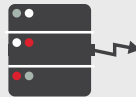
The eLog device is connected to the pulse output of the meter.



The eLog reads the meter periodically and logs the reading values in internal memory.
eLog定期读取仪表，并将读取值记录在内存中。



Periodically the eLog transmits the logged data to a central data centre.
eLog定期将记录的数据传输到一个中央数据中心



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

然后，用户可以通过专用的、安全的门户网站访问所有数据。



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 门户网站

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.

eLog数据管理解决方案是作为在线软件传输的，它不需要在客户场所进行任何设置。数据是被安全保存和管理的，因此用户可以通过网络连接从任何地方访问数据，并使用网络浏览器和安全密码。

NAVIGATING THE WEB PORTAL

MAIN SCREEN 主屏

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

一旦使用用户的安全密码进行身份验证，它是第一个显示给用户的屏幕。

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.

信息用制表符分隔，便于导航。提供的数据包括读数、消耗、警报和其他信息，如每流量的体积和每小时的体积。

DATA DRILL DOWN 数据挖掘

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.

为了进一步可视化水的消耗，选择单独的eLogi设备；然后使用想要显示的日期范围来过滤数据。

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.

该系统允许将与仪表相关的所有信息以CSV,表格或PDF的格式保存,以作进一步处理或报告时用。

GRAPHICAL INFORMATION 图像信息

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

还可以以图形方式查看水的消费数据，以生成水消耗文件的快速视图。

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).

客户可以为每个仪表配置不同的警报设置,当消耗量超过客户选择的界限值或可能泄漏的指示(超过x天,每小时消耗量大于零)时,将收到警报通知。

For more information

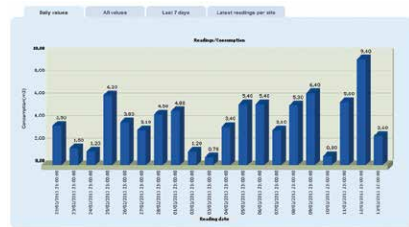
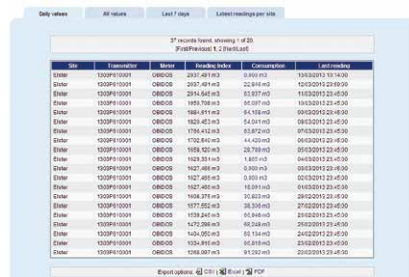
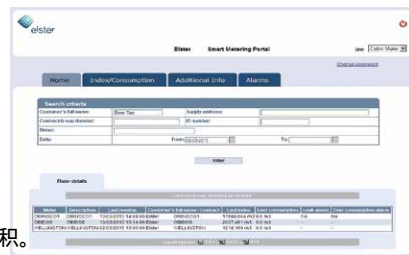
www.elstermetering.com 更多信息参考网址

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逗号分隔值 (Comma-Separated Values, CSV, 有时也称为字符分隔值, 因为分隔字符也可以不是逗号), 其文件以纯文本形式存储表格数据(数字和文本)。纯文本意味着该文件是一个字符序列, 不含必须像二进制数字那样被解读的数据。CSV文件由任意数目的记录组成, 记录间以某种换行符分隔; 每条记录由字段组成, 字段间的分隔符是其它字符或字符串, 最常用的是逗号或制表符。通常, 所有记录都有完全相同的字段序列。通常都是纯文本文件。建议使用WORDPAD或记事本来开启。

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