GSM multilog

GSM data logger

Battery-powered data logger with integrated GSM-modem
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The GSM multilog data logger is connected with the monitored meter by pulser. GSM multilog stores the meter data at regular intervals (e.g., every hour) and transmits the information normally once a day via SMS to the server GSM multilog cockpit. The mobile phone card needed for SMS data transmission is pre-installed ex works.

The GSM multilog cockpit receives and archives the incoming data of the GSM multilog and provides it to the user over a secure and password-protected website. So there is no need for the user to operate with an own datacenter - not even in large projects! Alerts and much more information such as statistical data and evaluations can simply be managed by using the GSM multilog cockpit.

Technical Data

- Weight: approx. 800g
- Dimensions: 120x80x55 mm (LxBxH)
- Mounting: Wall mounting
- Safety class: max. IP 68
- Temperature range: -20°C up to +50°C
- Power supply: Lithium battery 3.6V
- Power consumption: Stand-by: approx. 0.04 mA; Active: approx. 30 mA;
- Transmission: max. 250 mA
- Modem: integrated quad-band GSM modem
Field of application
- Reliable data collection meter reading and meter monitoring at measuring points without external power supply
- Monitoring of bulk water meters or measuring points with high consumption
- Optional pressure monitoring
- Alarm messages
- Leak detection

Alarm messages
- On broken pipe or leakage
- On crossing the analog limit values
- Whenever an error condition is detected

Features
- Internal real-time clock
- Internal self-monitoring (GSM level, battery voltage)
- Daily transmission of the stored values
- Two pulse inputs, two alarm inputs, other versions on request
- Version with analog input (0/4…20 mA) available
- Meter readings each hour
- Analog values in 15-minute intervals
- Optional: pressure sensor: 4…20 mA; 0…25 bar

Advantages
- High data reliability with SMS
- Plug and play: Easy installation
- Battery powered: Lifetime up to 7 years for daily messages
- No parameterization on site: All parameters are set automatically
- Complete solution: Internet based data center with optional interface to logistics/billing-software
- Integrated data logger with time synchronisation