

PermaNet SMS

Automatic Data Collection



Halma Water Management

Introduction

PermaNet SMS communicates wirelessly with Permalog+ loggers to collect leak data and then transmits this information directly to an office computer or mobile phone via low cost SMS telemetry. This removes the requirement for expensive site visits and “drive past” data capture. Instead, leakage data can be delivered automatically to your monitoring station.

The unit has a built in radio receiver and SMS transmitter. When it is not receiving or transmitting data it remains in a low power “sleep” mode to conserve battery life.

Data is sent via radio from the Permalog+ loggers in range and the unit then transmits this information via SMS to the monitoring station running the PermaHost software.

PermaNet SMS can be configured to send an immediate leak alert whenever one of the loggers reports a potential leak. Additional savings are made as leakage teams can now be quickly and efficiently deployed specifically to leak alert areas.

The unit is water proof to a depth of 4 meters (IP68 rated) and can operate in temperatures between -40C to +85C. It is hard wearing and can withstand a 1 meter drop onto concrete and remain functional.

Physical dimensions: 75mm (Width), 95mm (Depth, 400g (Mass) and 150mm (Height without antenna).



KEY BENEFITS

- Removes the need for site visits and “drive by” data capture, saving time, money and labour.
- Allows for faster response times when a new leak is detected or an existing leak gets larger, thus saving water
- Capable of collecting data from multiple Permalog+ loggers
- Can be programmed to deliver daily, weekly or monthly reports from the loggers
- Leak sizes can be determined by matching daily leak alarms with flow data
- Immediate targeted response to rises in night-line
- Problem zones brought quickly and effectively under control
- Radio connection allows all Permalog and Aqualog features to be available for site follow up detection
- Works with existing Permalog+ units.



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FLOW MEASUREMENT

DATA LOGGING

LEAK DETECTION

PRESSURE MANAGEMENT