

i-Log - Water-Level 2"

Water-Level-Logger with GPRS-Internet-Data-Transmission

Features

This data logger was especially designed for long term monitoring of ground water levels in standard 2"-tubes (or wider). The complete electronics is housed in stainless steel (type 1.4571 („V4A“) and is completely waterproof, even if flooded over! The logger can easily be fixed (tamper proof) in standard 2" closures. To the outside the device is completely invisible, except for the antenna (made of impact resistant ABS). A highly sophisticated energy management ensures, that the device will work ≥ 3 years with one battery pack (4 measures/hr and daily data transfer assumed). Data is transmitted by GPRS (via Internet, world wide access) as standard Email (for larger amount of data).

Principals

- Use of up to 4 standard water level transducers (opt. with capillary)
- Optionally: barometric transducer, counter (i.e. for precipitation or water flow)
- Safe against flooding, completely water proof
- Tamper proofed fixture in standard closures (adapters for >2 " available)

Technology

- Analog/digital converter with 24 bits resolution
- Non volatile memory 512 kB (up to 150.000 measures)
- Many different sensors can be used (bridge transducers, voltage output, ...)
- GSM/GPRS quad band modem (for world wide usage)
- Operating temperature: -40° to $+60^{\circ}$ C (fully operative: -20° C to $+60^{\circ}$ C)
- Battery life up to ≥ 3 years (daily transfer, 4 measures/hr), standard D-cells used

Data transfer

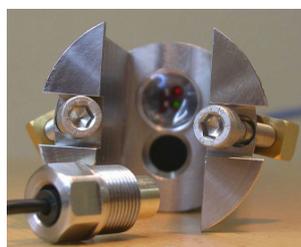
- Local communication with PC by infrared: case must not be opened
- Transmission by GPRS-Email (Internet). SMS, SMS-Email and Alarms opt. possible
- Optimised for low transmission costs (i.e. for daily transfer: < 5.00 EUR/month in the D-net and < 1.50 EUR/month in the E-net **).
- Transmission time and period can be selected by software (from 15 min to 31 days)
- Incremental transmission (logger stores all data, but transmits only new data)

Free Software included

- „GP-Shell2“ for PC (W98, XP, Vista) for configuring the loggers
- „CSView“ for PC (W98, XP, Vista); charting software for local and Internet usage
- PHP 4/5 scripts for use on own Internet servers (the complete Internet portal as running on www.FlexGate.com).



i-Log-Logger(48 x 380 mm)



Fixture, Infrared, Antenna



With Helical antenna (I) in 5" closure

Germany 05/2007:
*: T-D1, Tariff „M2M“
**: „BLAU.DE“ or „E-Plus“

GeoPrecision

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