

L³

Liquid Level Logger

A simplified logging system for low cost river level measurements. Taking readings from SDI12 pressure transducers, radar sensors and shaft encoders the L³ is ideally suited to providing a backup to existing primary measurement devices in gauging stations / measurement locations within range of a LoRaWAN gateway or Sigfox basestation.

L³ Features

- Embedded WiFi access point for simple data checks and data download
- Built in RTC to stay on schedule
- Low power consumption
- Easy installation (4 screws)
- CSV file download

Mechanical

Size: 105 x 70 x 40mm (without antenna, glands)
Polycarbonate Body, IP66

Radio

- 868 MHz (Europe) at +14db maximum
- LoRaWAN and Sigfox protocols
- LoRaWAN, 16Km range to gateway
- Sigfox, 20Km range to basestation

Readings and Data

- 15 minute read frequency
- Level data transmitted in real time via licence free radio
- Level and diagnostics data logged to SD card for future download
- Automated Wiski database import

Sensors – L³ automatically reads from:
GEMS (9 series), IMPRESS (SDI-12L),
OTT (PT's SE200, PLS and Radar RLS), Thistle 24R-150 Encoder

