



iJiNUS
CLAIRE GROUP

Data logger with radar level sensor **LNR06**

New radar technology

*Monitor natural waters with
efficiency !*



SOLUTION ADAPTED TO OUTDOOR
CONDITIONS



OPTIMIZED MONITORING



EASY INTEGRATION
AND INSTALLATION



The radar level logger from IJINUS is
manufactured in France on our site
of Mellac (29).



Improve monitoring of natural waters



The LNR level sensor/logger is based on **radar measurement technology**.



The electromagnetic radar wave is not impacted by particular exposures such as wind or temperature variations.

The solution is therefore **perfectly suited for outdoor use, even when exposed to weather conditions**.

It is recommended for monitoring:



- **streams** : preventive management of low water and floods
- **rainwater storage or retention basins** : monitoring
- **inlets and outlets of wastewater treatment plants**

The measurement of water height allows the calculation of flows by conversion, to meet the regulatory obligations.





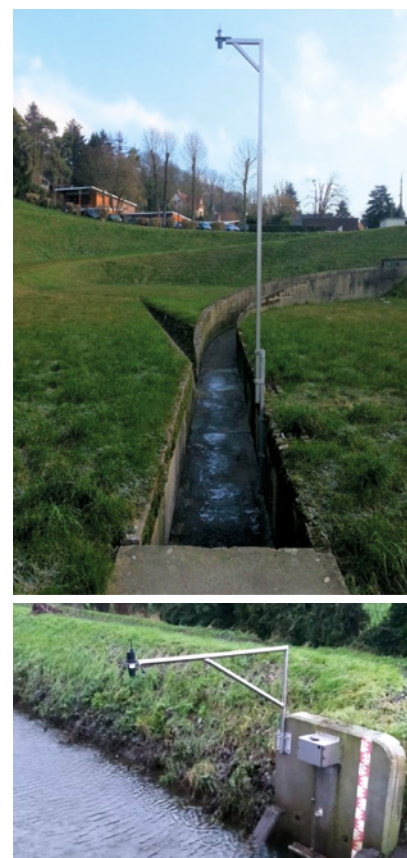
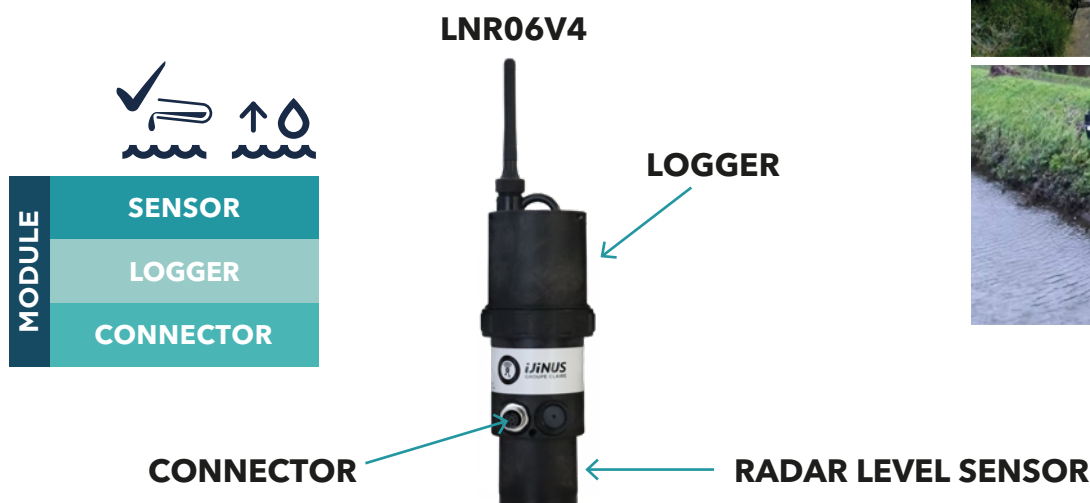
Optimize monitoring with an integrated and modular system



The Ijinus LNR system integrates in a single device a self-sufficient sensor and logger to measure, record and communicate data, with no visible cable.

This **unique design** reduces the cost of the measurement point and allows a more efficient deployment.

It has a **connector** for connecting other sensors. It is possible to carry out **cross-measurement of water level and river water quality at the same point** (pH, conductivity, turbidity, dissolved oxygen dissolved oxygen, hydrocarbons...).



Facilitate a discreet installation in the field



The Ijinus LNR radar level sensor and recorder is an all-in-one system.

It **replaces the traditional measurement kit** consisting of a sensor, a power supply and a PLC for data recovery.

It is a **Plug&Play solution with integrated battery**.

It consists of a single, **compact, rugged and lightweight housing** to be fixed on a wall. It is thus **more discreet and ensures a reduced visual footprint in the natural environment**.



Contribute to the monitoring and preservation of natural waters

LNR radar sensors and loggers are **quality instruments**, manufactured at the Ijinus site in Mellac.

Robust and waterproof (IP 68 tested at 1 bar for 30 days), they can be installed in outdoor environments, particularly in places exposed to meteorological hazards.

They **autonomously measure and record water levels** in rivers, in storage or retention basins for rainwater, and at inlet and outlet of wastewater treatment plants.



The Ijinus radar logger **has a great autonomy**. Its battery life is of more than 5 years and is interchangeable by the user on site.



Based on the new generation V4 of Ijinus loggers, it is **compatible with 2G, 4G (LTE-M, NB-IoT) networks**.



Collected data are transmitted to a **supervision platform** to monitor natural waters and warn of actions to be taken to preserve the resource.

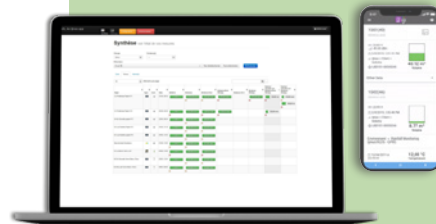


Increased autonomy

AVELOUR :
Configuration
& analysis



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LARGE MEMORY CAPACITY
(500 000 MEASURES)

