



**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.





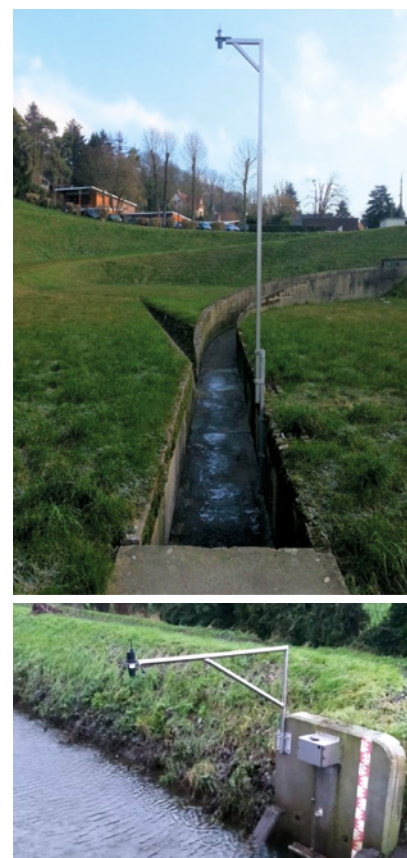
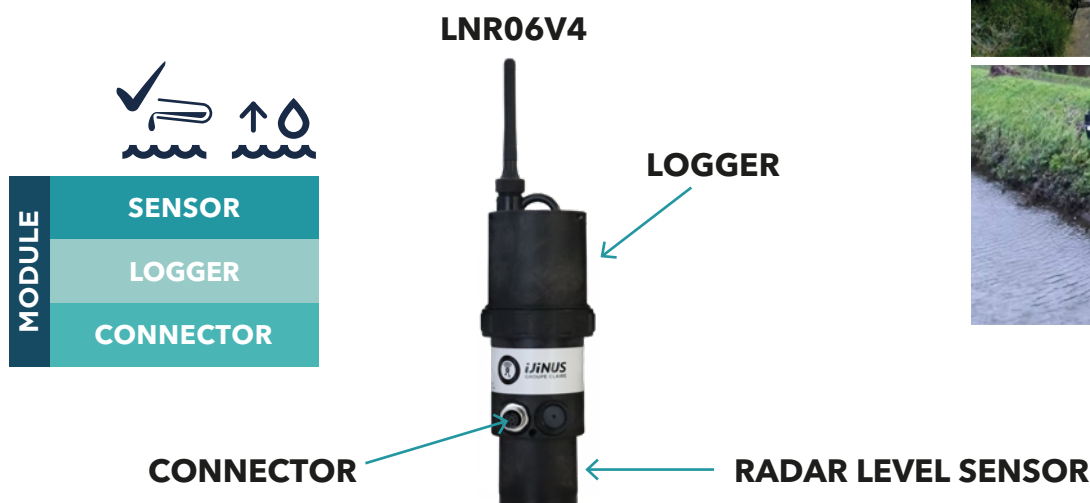
## Optimize monitoring with an integrated and modular system



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.

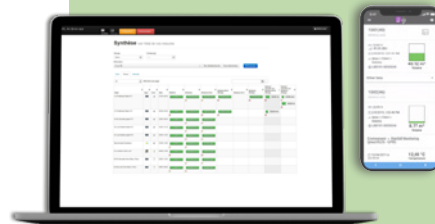


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