



## Industry & Agro solutions

SENSOR / DATA LOGGER / WIRELESS TRANSMITTER  
HF/GSM/GPRS Smart and communicating solutions for silos

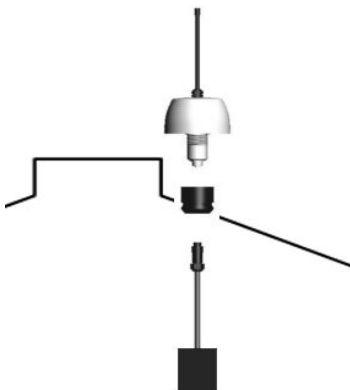


- Quick and easy installation
- Wireless configuration  
(Local by Rfid or remotely by GPRS)
- Life proof (water and bad weather): IP65 sealing
- Long-life battery
- One master device for 7 slaves  
(beyond, one concentrator supplied in energy is required)
- 0,3 to 8m for liquid measurement
- 0,3 to 6m for bulk measurement

IJINUS show his new range of Plug & Play sensors for breeding monitoring silos. This innovation materialize 10 years experience in breeding silos solutions using ultrasonic technology. Those sensors are easy to install and use, and with our web service you can monitor and manage your supply chain clearly.

### Installation

- 1 – Drill silo with a hole saw
- 2 – Fix adapter
- 3 – Fix sensor and connect the probe



### HF / GSM / GPRS configuration

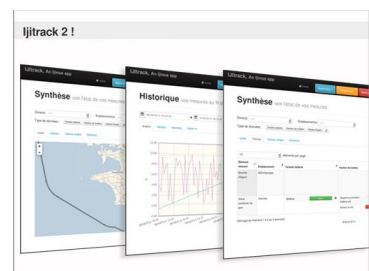
On-site Configuration using short range radio communication

Service provision includes one month of observation to integrate specificities of silos (structure, position...) with remote configuration updates using GPRS

After several filling cycles measurement is validated by our services.

### Monitoring and alerts

A display could be installed on site and you can check and retrieve data with our customized website: [Ijitrack.com](http://Ijitrack.com)



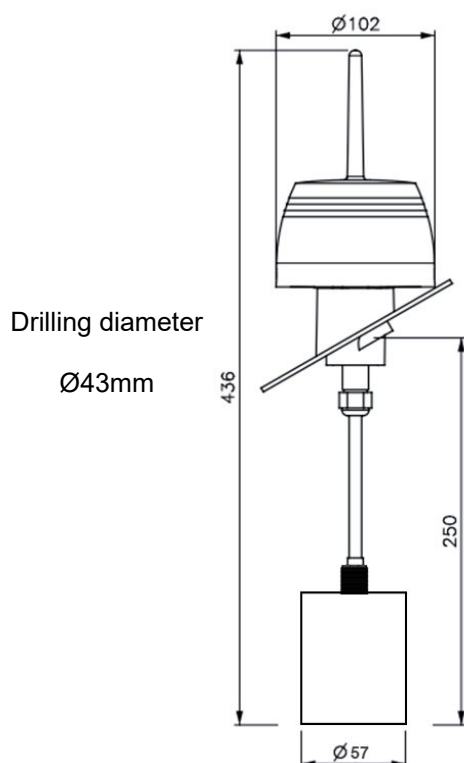
Choose threshold alert and the way to receive it: SMS, Email, Fax.



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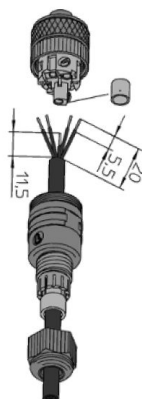
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Features	Master level sensors	Slave level sensors
Part Numbers	<b>LNU0800-0-80X-C0-GSM</b> (868 MHz) <b>LNU0800-0-90X-C0-GSM</b> (915 MHz)	<b>LNU0800-0-80X-C0</b> (868 MHz) <b>LNU0800-0-90X-C0</b> (915 MHz)
Measuring range for liquid	0,3 ... 8 m	0,4 ... 8 m
Measuring range for bulk	0,3 ... 6 m	0,4 ... 6 m
Resolution	1 cm	1 cm
Accuracy	± 5% on solid / ± 1% on liquid material	± 5% on solid / ± 1% on liquid material
Communication	Radio HF - Wiji Protocol GSM / GPRS	Radio HF - Wiji Protocol
Radio range	300m	300m
Temperature compensation	Yes: Internal T°C probe	Yes: Internal T°C probe
Data logger	1.000 Measurements	1.000 Measurements
Data concentrator	Yes until 7 slaves sensors (for autonomous solution)	No
HF / GSM antenna	¼ Wave Length / Quad band Patch	¼ Wave Length / Quad band Patch
Operating temperature	-40 ...85°C	-40 ...85°C
Housing	ABS 20% Glass Fiber	ABS 20% Glass Fiber
Sealing	IP65 with an aerator	IP65 with an aerator
Power Supply	Bat: 3,6V 34Ah	Bat: 3,6V 34Ah
Autonomy	Up to 3 years	Up to 5 years
Configuration	AVELOUR software or remotely using GPRS	AVELOUR software
Technology	Acoustic imaging eKo® algorithm LAMY® filtration	Acoustic imaging eKo® algorithm LAMY® filtration
Security	Antistatic kit for metal silo	Antistatic kit for metal silo
Certification	CE	CE



### Wiring

- 1 : US+
- 2 : GND
- 3 : Shield
- 4 : T°C
- 5 : N.C. ( can be removed)



For Master  
device only

