





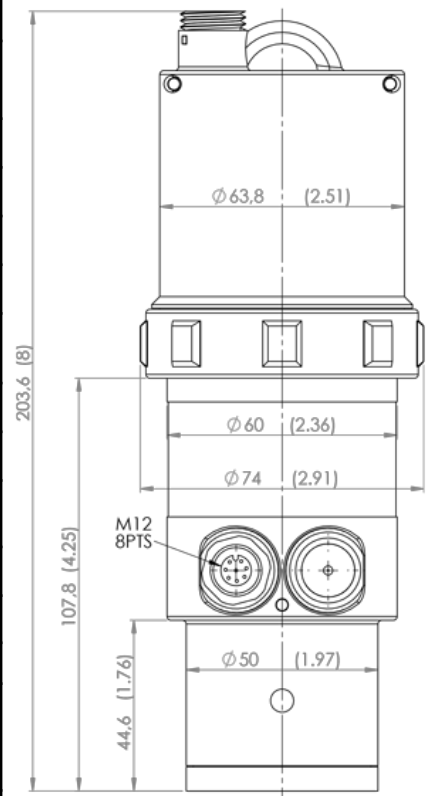
## LNR06V4 – Battery powered logger with integrated radar level sensor



- Wireless setting and data download by radio (Wiji protocol) on-site
- Lithium battery powered, ultra low-power consumption
- Memory : 500 000 data
- Communication : locally by radio + optional communication card to choose from :  
2G/3G or 2G / LTE-M / NB-IoT
- Inputs : 1 external power supply (5Vcc...30Vcc), 2 Contacts 100Hz, 1 Modbus
- Outputs : 1 power supply (internal battery or switch), 1 open drain, 1 Modbus
- Rugged housing with IP68 rating (1 bar / 30 days)
- Conversion tables and formulas (water height, Flow, volume)

The LNR06V4 is a logger with an integrated radar level sensor and several communication options. Particularly adapted for measurements in difficult environments such as waste water, natural water. Fully autonomous with its long-life battery, its logger and its integrated modem. Easy to install and to use, configuration is done safely by direct radio connection.


Features	LNR06V4-82-3G (868 MHz) LNR06V4-82-LTE (915 MHz)
Measuring range	0,3 ... 6m
Resolution	1000 samples available for the whole range 2mm : max range 2,0m 4mm : max range 3,0m 7mm : max range 6,0m
Accuracy	± 0,2% of measuring range
Communication	Radio HF (868 MHz or 915 MHz) options : 2G/3G or 2G / 4G (LTE-M / NB-IoT)
Radio range	100m in open field
Temperature compensation	Native
Datalogger	500 000 Measures
Radio access point	Yes
Radio / cellular antenna	Internal or external radio antenna, external cellular antenna Please see the configuration table next page
Operating temperature	-20 ... 70°C
Logger Housing / Weight	PA12 / 520g
Enclosure rating	IP68 : 1 month under 1 bar (only when an Ijinus mounting kit is used PN : HOT00053 or HOT00060)
Energy	Lithium Battery : 3,6V 34Ah
Configuration	AVELOUR software part of the programming kit: Wijikey
Technology	Acoustic imaging / eKo® algorithm / LAMY® filtration
Certifications Atex zone 2	 II 3G Ex ic ec IIB T4 Gc Tamb : -20°C...60°C
Certification	





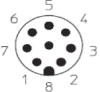

## Technical specifications :

### Configuration of options

Code	
<b>LNR</b>	Level logger by radar imaging
<b>06V4</b>	Measuring range 0.3 ... 6m
Code	Frequencies
<b>8</b>	868Mhz Europe - China
<b>9</b>	915MHz USA - Canada - Australia
Code	Antenna
<b>0</b>	Internal radio
<b>1</b>	External radio
<b>2</b>	Internal radio / external cellular
<b>3</b>	External radio / external cellular
	
Code	Communication options
<b>Empty</b>	Radio communication on-site
<b>3G</b>	Radio communication + 2G/3G
<b>LTE</b>	Radio communication + 2G / LTE-M / NB-IOT

LNR06V4 8 2 LTE

= LNR06V4-82-LTE

Wiring :				Male connector: 					Female connector: 	
<b>Cable color</b>	White	Brown	Green	Yellow	Grey	Pink	Blue	Red		
<b>Connector 8Pts</b>	1	2	3	4	5	6	7	8		
<b>Name</b>	Vin	GND	Vout	Modbus	Modbus	Input	Input	Output		
<b>Features</b>	(5V...30V)	Ground	5...18V (internal battery) OR Vout = Vin	RS485 H	RS485 L	Contact input 1 OR Pulse counter 100 Hz	Contact input 2 OR Pulse counter 100 Hz	Contact Ground		
<b>Type</b>	Power in		Power out			Digital	Digital	Open drain (1A/30V)		

### Applications :

- Water & Wastewater
- CSO / SSO monitoring
- Flow paced water sampling
- Tank level monitoring
- Tidal monitoring & early flood warning
- Control and management of bin fill levels
- Process monitoring
- ...