

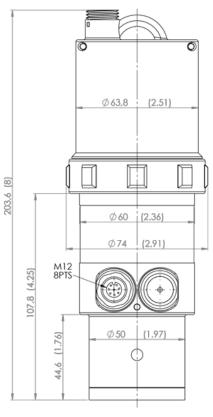
LNR06V4 – Battery powered logger with integrated radar level sensor



- 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 safety by direct radio connection.

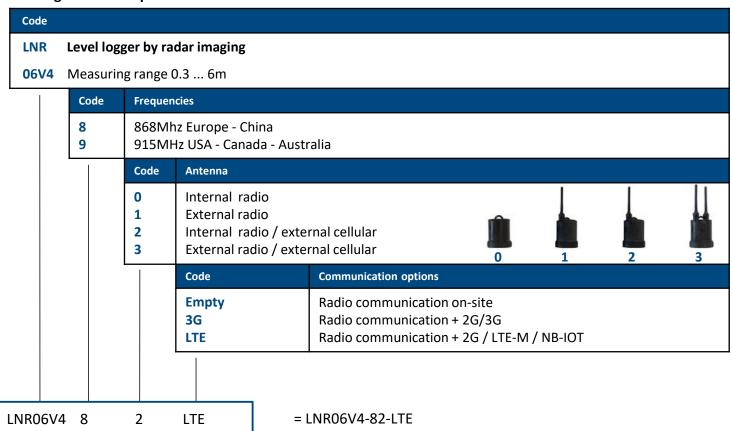
Features	LNR06V4-82-3G (868 MHz) LNR06V4-82-LTE (915 MHz)					
Measuring range	0,3 6m					
Resolution	1000 samples available for the whole range 2mm : max range 2,0m 4mm : max range 3,0m 7mm : max range 6,0m					
Accuracy	± 0,2% of measuring range					
Communication	Radio HF (868 MHz or 915 MHz) options: 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: H0T00053 or H0T00060)					
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°C60°C					
Certification	C€					





Technical specifications:

Configuration of options



Wiring:				Mal	e connector	7 4 3	Female conne	ector: 3 0 0 0 7
Cable color	White	Brown	Green	Yellow	Grey	Pink	Blue	Red
Connector 8Pts	1	2	3	4	5	6	7	8
Name	Vin	GND	Vout	Modbus	Modbus	Input	Input	Output
Features	(5V30V)	Ground	518V (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
Туре	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