



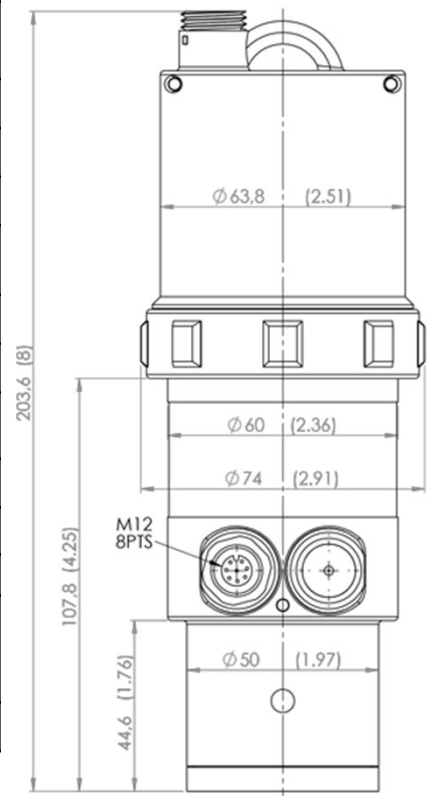
LNR06V4 – Battery powered logger with integrated radar level sensor



- 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 + option 2G / 4G (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)
- Integrated 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 outdoor measurements (river, storm storage...). 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-LTE (868 MHz) LNR06V4-92-LTE (915 MHz)
Measuring distance	0,15 ... 6m
Resolution	2 000 samples available for the measured distance, 1mm minimum (Example : ± 4 mm for a distance of 6m)
Accuracy	± 0,2% of measured distance with a minimum of ± 2mm*
Communication	Radio HF (868 MHz or 915 MHz) optional communication card : 2G / 4G (LTE-M / NB-IoT)
Radio range	100m in open field (Wiji protocol)
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 configuration kit: Wijikey or MOC
Technology	Radar imaging / eKo® algorithm / LAMY® filtration
Certifications Atex zone 2	II 3G Ex ic ec IIB T4 Gc Tamb : -20°C...60°C
Certification	CE




* Laboratory tested



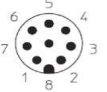


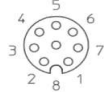
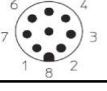

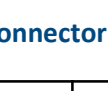
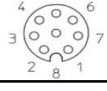
Technical specifications :

Configuration of options

Code	
LNR	Level logger by radar technology
06V4	Measuring distance 0.15 ... 6m
Code	Frequencies
8	868Mhz Europe - China
9	915MHz USA - Canada - Australia
Code	Antenna
0	Internal radio
1	External radio
2	Internal radio / external cellular
3	External radio / external cellular
	
Code	Communication options
Empty	Radio communication on-site
LTE	Radio communication + 2G / LTE-M / NB-IOT

LNR06V4 8 2 LTE

= LNR06V4-82-LTE

Wiring :	Male connector:				Female connector:			
								
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	External power supply or battery (5V...30V)	Ground	5...18V* (from int. batt. or switch) Vout = Vin	RS485 H	RS485 L	Contact input 1 or Pulse counter 100 Hz	Contact input 2 or Pulse counter 100 Hz	Contact Ground
Type	Power in		Power out			Digital	Digital	Open drain (1A/30V)

* 1,8W maximum on the V out, if an external sensor is connected and powered by the internal battery.

Applications :

<ul style="list-style-type: none"> • Tidal monitoring & early flood warning • Tank level monitoring • Permanent diagnosis of wastewater network 	<ul style="list-style-type: none"> • CSO / SSO monitoring • Flow paced water sampling • Water metering
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