



LNU06V3 - Battery powered level sensors & Wireless communications

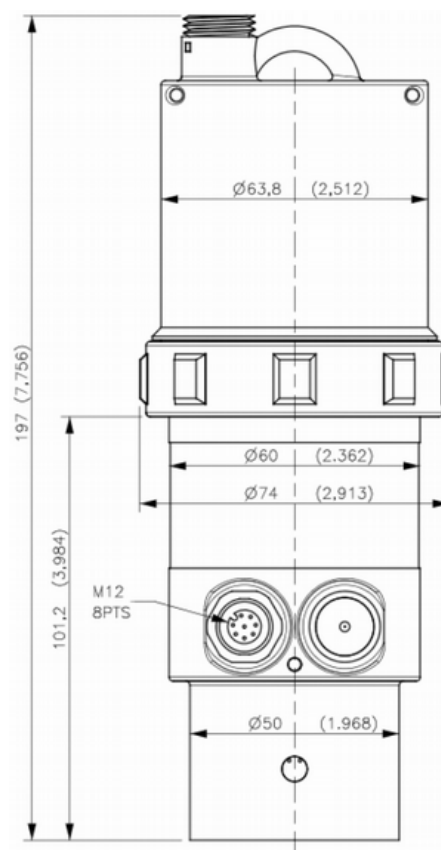


Features

- **Wireless setting with Rfid technology**
- **Communication : GSM / GPRS using 3G modem – Sigfox**
- **Memory : up to 500 000 measures**
- **Inputs : 1 voltage (5Vcc...30Vcc), 2 Contacts 1Hz, 1 Modbus**
- **Outputs : 1 switch, 1 open drain, Modbus**
- **Enclosure rating IP68**
- **Lithium battery powered, ultra low-power consumption**
- **Integratable conversion tables and formulas (water height, Flow, volume)**

The LNU06V3 is one of our new versions of level sensors, particularly suitable for liquid measurement in harsh environment. It integrates a logger, a long life battery and communication options making it fully autonomous. Easy to use and install, the setting is done safely by radio without need of activation.

Features	LNU06V3-82-3G (868 MHz) LNU06V3-92-3G (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 up to 2,5m over 5mm*
Communication	Radio HF (868 or 915 MHz) Wiji® protocol GSM / GPRS with 3G modem
Radio range	100m in open field
Temperature compensation	Yes
Data logger	500 000 Measures
Radio access point	Yes
HF / GSM 3G antenna	Internal ¼ Wave Length / External Quad band
Operating temperature	-40 ...85°C
Logger Housing / Weight	PA12 / 520g
Enclosure rating	IP68
Energy	Bat : 3,6V 34Ah - replaceable
Configuration	AVELOUR software part of the programming kit: MOC00001 (868 MHz) or MOC00002 (915 MHz)
Technology Signal processing & filtering	Acoustic imaging / eKo® algorithm LAMY® filtration
Certifications Atex zone 2	 II 3G Ex ic ec IIB T4 Gc Tamb : -20°C...60°C
Certifications	 - SE6A001 - IC : 10983A-A00



* laboratory tested

LNU - Configuration of options

Code	
LNU	Level logger by acoustic imaging
06V3	Measuring range 0.3 ... 6m
Code	Frequency
8	868Mhz Europe – China
9	915MHz USA - Canada - Australia
Code	Antenna
0	Internal HF
1	External HF
2	Internal HF / External GSM / 3G / Sigfox
3	External HF and External GSM / 3G / Sigfox
Code	Communication option
Empty	On-site radio communication
3G	GSM/GPRS communication, modem 3G
SIG	SIGFOX communication

LNU06V3 8 2 3G

= LNU06V3-82-3G

Wiring :

Cable color	White	Brown	Green	Yellow	Grey	Pink	Blue	Red
Connector 5B	1	2	3	4	5	6	7	8
Input / Output	V input (5V ...14V)	GND	Vout (5...14Vdc) Vout = Vin Switch	Modbus RS485 H	Modbus RS485 L	Contact Input 1	Contact Input 2	Open-drain Output (2A/30V)

Applications :

- Water & Waste water
- CSO / SSO monitoring
- Flow paced water sampling
- Tank level monitoring
- Flood warning and management
- Control and management of bin fill levels
- Process monitoring
- ...