



IJILOG

CONCENTRATOR / DATA LOGGER

HF/GSM/GPRS/MODBUS



- Wireless setting with Rfid technology
- Memory: up to 500 000 measures
- Sealing: IP68
- Replaceable lithium battery powered
- Digital input: Counter, Contact, events
- Analog Input: 4-20mA
- Digital input: Modbus RS485
- Output: HF radio/ GSM / GPRS / MODBUS

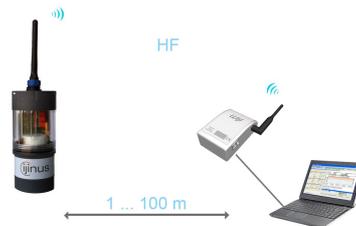
Recognized as an autonomous measuring systems expert, IJINUS presents a new range of wireless Data Logger. It represents all the Ijinus know-how in terms of performance, miniaturization, ease of use and data transfer.

GSM/GPRS communication

IjiLog records and collects data to up to 15 Ijinus devices in its wireless range. Data are then sent by GSM to the supervision software. Some models fitted with connector allowed you to directly save data by Modbus, 4-20mA, Contact input and pulse.



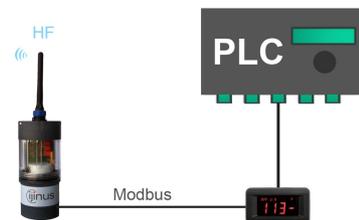
HF communication



The mobile kit is a radio receiver and transmitter, it connects to a computer via USB. It allows secure radio connections (RFID) to various sensors and other IJINUS devices, to configure and retrieve data.

HF/Modbus communication

The master LNU sensor collects data that can be retransmitted by Modbus to a display or a PLC.



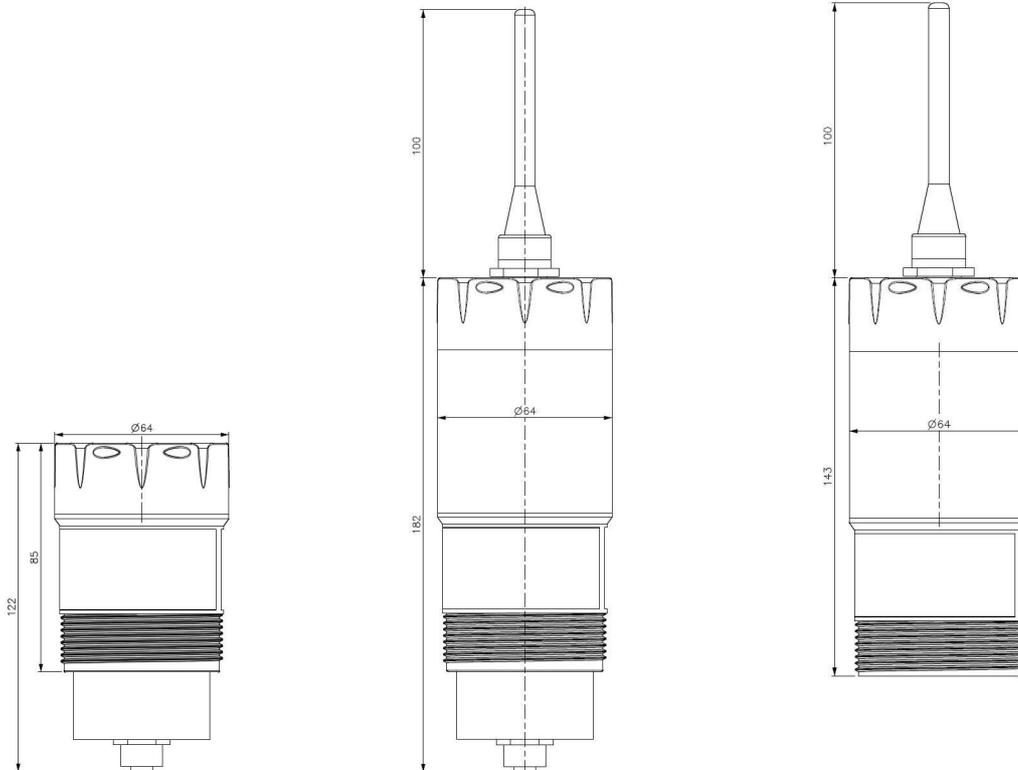


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Features	LOG 500
Data logger	500.000 Measures
Concentrator	Yes
HF antenna	Internal or External depending on the model
Options : Input	Modbus RS485 Contact input 1Hz One Wire (digital T°C) Contact input 100Hz Active 4-20mA, 8-30V 1W
Options : Output	GSM / GPRS Modbus RS485 Output
Option GSM Antenna	External
Operating temperature	-40 ...85°C (-40 ...185°F)
Housing	ABS 20%FV
Sealing	IP68
Energy	Bat : 3,6V 17 Ah to 34Ah
Autonomy	Up to 10 years
Programing	AVELOUR software
Option : ATEX	 II 3G Ex ic nA IIB T4 Gc Tamb : -20°C...+60°C
Certification : CE/FCC/IC	 : SE6A001 - IC : 10983A-A001



LOG0500 Logger with internal HF antenna Connector code : 2/3/4/5/6/8/9	LOG0500 Logger with external HF antenna, or Logger with external GSM antenna Connector code : 2/3/4/5/6/8/9	LOG0500-0-82X-GSM HF access point with external GSM antenna No connector
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LOG0500-1	Lifting station Recording water pump Start&Stop 2 current grips Typical autonomy : 10 years 1 state / 10mm	CSO Overflow recording Typical autonomy : 10 years 1 hour overflow /day	Site Security Open door recording Typical autonomy : 10 years 1 door opening/day, 1 SMS/day	Heating Temperature recording Typical autonomy : 5 years 1measure/ 5mn, 1 SMS/day
LOG0500-3	Water level in wells groundwater and water tower. Height recording Typical autonomy : 5 years 1 measure every 20mn	Network sectorization Recording the volume of water from pulse flow meter Typical autonomy : 10 years 1 hour overflow per day	Drinking water network Recording Upstream and downstream pressure from pressure reducers Typical autonomy : 5 years 1 measure / 20mn	
LOG0500-4	Water quality Recording measures from digital sensors: PONSEL (french brand)	Height / velocity / flow rate Recording from Teledyne ISCO sensor	Site Security Recording measures from Modbus / analog interfaces	
LOG0500-0	Concentrator HF Typical autonomy : 10 years 1 SMS per day *Autonomies are given as a guide and are not contractual			

Connector 5A	1	2	3	4	5			
Input / Output	Vout	GND	Input	Input	Input			
Signal	5Vdc	0Vdc	T°C	on-off control	on-off control			
Type	Power out	Power	Digital	Digital	Digital			
Connector 5D	1	2	3	4	5			
Input / Output	Shield	V out	GND	RS485	RS485			
Signal	Shield	8...24Vdc	0Vdc	Modbus High	Modbus Low			
Type	Shield	Power out	Power	Master / Slave	Master / Slave			
Connector 8A	1	2	3	4	5	6	7	8
Input / Output	V in	GND	RS485	RS485	V out switch	Input	Input	Output
Signal	8...30Vdc *	0Vdc	Modbus High	Modbus Low	8...30Vdc *	on-off control	on-off control	Contact ON/OFF
Type	Power in	Power	Master / Slave	Master / Slave	Power out	Digital	Digital	Digital 1Hz
Connector 8D	1	2	3	4	5	6	7	8
Input / Output	V in	GND	V out switch	Input	Input	Input	Input	Output
Signal	8...30Vdc *	0Vdc	8...30Vdc *	4-20mA	4-20mA	on-off control	on-off control	Contact ON/OFF
Type	Power in	Power	Power out	analog	analog	Digital	Digital	Digital 1Hz
Connector 8E	1	2	3	4	5	6	7	8
Input / Output	V in	GND	V out switch	Input	Input	V out	Input	Input
Signal	8...30Vdc *	0Vdc	8...30Vdc *	4-20mA	4-20mA	5Vdc	T°C	on-off control
Type	Power in	Power	Power out	analog	analog	Power out	Digital	Digital
Connector 8H	1	2	3	4	5	6	7	8
Input / Output	V out	GND	Input	Input	Input	Input	Output	Output
Signal	8...30Vdc	0Vdc	4-20mA	4-20mA	logger	logger	Contact ON/OFF	Contact ON/OFF
Type	Power out	Power	analog	analog	Digital 100Hz	Digital 100Hz	Digital 1Hz	Digital 1Hz



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Code	Family
LOG	Autonomous Logger
Code	Range
0500	500 000 measures
Code	Input
0	No connector
1	Connector 5A : 2 on-off control 1Hz Inputs
3	Connector 8D : 2 on-off control 1Hz Inputs + 2 Inputs 4-20mA 1 NO/NF Contact + 1 Power Output 8...30Vdc controllable
4	Connector 8A : 2 on-off control 1Hz Inputs 1 NO/NC Contact + 1 Switch 1 Modbus RTU RS485
5	Connector 8E : 1 on-off control 1Hz Inputs + 2 Inputs 4-20mA + 1 digital T°C Input 1 Sortie Alim 8...24Vdc controllable
8	Connector 8H : 2 Logger 100Hz + 2 Input 4-20mA 2 NO/NC Contacts + 1 Power Output 8...24Vdc controllable
9	Connector 5D : 1 To be used with physico chemical probes
Code	Radio Frequency
8	868Mhz Europe - China
9	915MHz USA - Canada - Australia
Code	Antenna
0	Internal HF
1	External HF
2	External GSM
Code	Functions
X	Concentrate + Record + Disseminate
Code	Options X
Empty	No option
GSM	Communication GSM/GPRS
MOD	Modbus RS485

LOG	0500	2	8	2	X	GSM	= LOG0500-2-82X-GSM
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