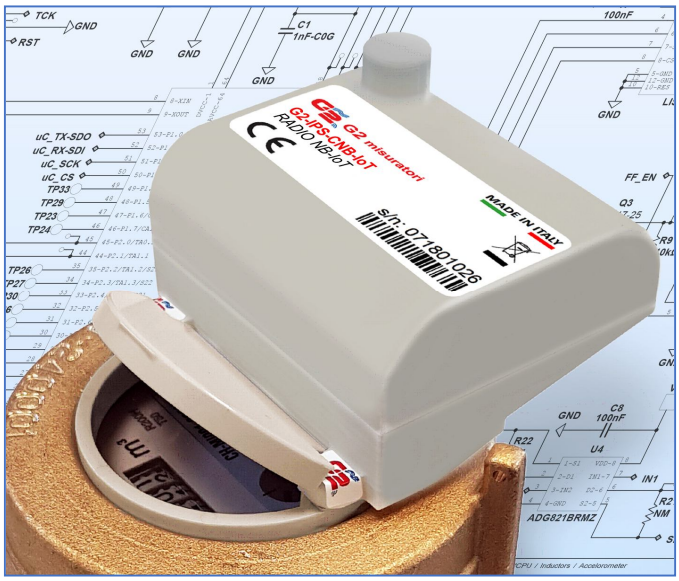
G2 misuratori

THE VALUE OF METERING

Made in ITALY

INDUCTIVE SENSOR WITH EMBEDDED NB-IoT RADIO MODULE MODEL G2-IPS-CNB-IoT for AFMS/BFM/QDFM/ BFU/PFU/QDFU preset water meters



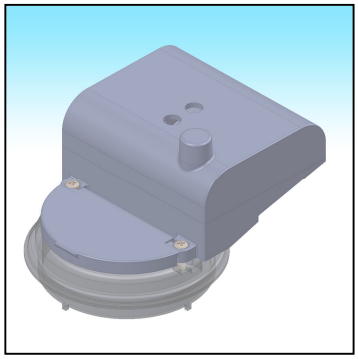
Inductive Sensor with embedded radio module NB-IoT available in compact version for multiple and single jet water meters with wet dial, liquid filled counter type, fully protected dial, and super dry dial MID approved, preset for inductive sensor in **K1**. The measurement of the water is done by conveying the flow rate into a rotation of **a star index fitted with an amagnetic metallic disk** placed on the water meter dial; the electronic device detects the number of rotations and counts the volume of water delivered.

- Trasmission	Bidirectional on fixed network Cellular standard NB-Iot
-Trasmission interval	Daily intervals with 12-hours historical data (configurable)
- Installations	Indoor and outdoor
- Consumption data	Net compensated of any possible reverse flow
- Data security	Multi-level cryptography
- Transmission activation	Through magnet
- Configuration data update	Remote configuration on fixed network
- Transmitted Data	Sensor ID , consumption data, hardware status , alarms, battery level
- Transmitted Alarms	mechanical fraud (cable cut and removal), reverse flow, battery low
- Communication interface	NFC preset for local configuration

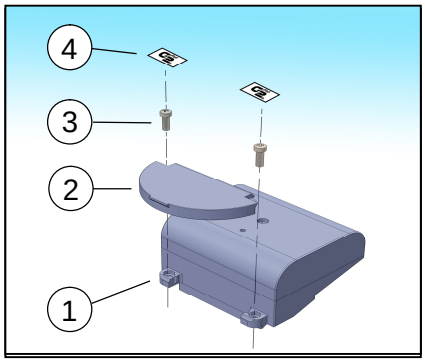
TECHNICAL FEATURES model G2-IPS-CNB-IoT

Kind of device	Microprocessor device
Power Supply	Batteria al litio 3,6 V
Certifications	CE, EMC (electromagnetic compatibility)
Max pulse frequency	10 Hz
Ambient operating conditions	-10 °C … +55 °C
Storage temperature	-20 °C … +60 °C
Protection rate	IP68
Battery life	10 years

radio module assembly before sealing



exploded view drawing with assembly sequence



LIST OF COMPONENTS

1. G2-IPS Sensor
2. Dial lid
3. Fixing screws (n. 2)
4. Seal labels (n. 2)

We reserve the right to make changes to technical data and product illustrations – 10/18

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THE VALUE OF METERING

NB - IoT RADIO MODULE
MODEL G2-RF-SNB-IoT WITH INPUTS FOR SEPARATE SENSORS

Radio Module with imbedded NB - IoT protocol for connection by cable to inductive sensor **G2-IPS** or to Hall Sensor, or to Reed contact.

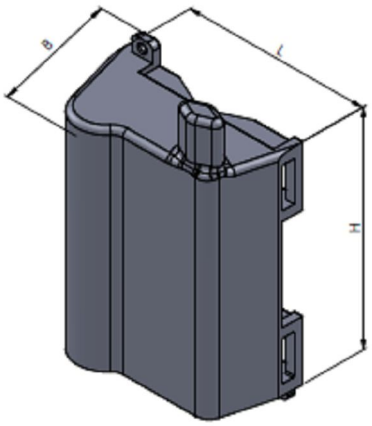
- Trasmission	Bidirectional on fixed network Cellular standard NB – IoT
- Trasmission interval	Daily intervals with 12-hours historical data (configurable)
- Installation	Indoor and outdoor
- Consumption data	Net compensated of any possible reverse flow
- Data security	Multi-level cryptography
- Transmission activation	Through magnet
- Configuration data update	Remote configuration on fixed network
- Transmitted Data	Sensor ID , consumption data, hardware status , alarms, battery level
- Transmitted Alarms	mechanical fraud (cable cut), reverse flow, battery low

TECHNICAL CHARACTERISTICS model G2-RF-S868WMB

Kind of device	Microprocessor device
Power supply	Lithium Batteries 3,6 V
Battery life	10 years
Certifications	CE, EMC (electromagnetic compatibiliy)
Max pulse frequency	10 Hz
Ambient operating conditions	-10 °C … +55 °C
Storage temperature	-20 °C … +60 °C
Protection rate	IP67 (IP68 on request)
Width L (mm)	65
Thickness B (mm)	36
Height H (mm)	80

CONNECTIONS

Digital inputs (flow direction and anti-fraud) for 2 water meters
2 analog inputs(eg. Temperature or pression sensor)
2 open collector digital outputs for remote device activation (eg. Solenoid valve, sensors)



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