

SOFREL LogUp

Secure solution for remote monitoring of water systems and isolated sites

LX CONNECT
remote management platform



4G LTE-M & NB-IoT Data Logger
SOFREL LogUp

Mobile application
My SOFREL LogUp

USES AND BENEFITS

- Flow monitoring of networks and isolated sites
- Management of users and their rights
- Data sharing with third-party business applications
- Remote management of configurations and updates for the fleet of data loggers
- Cybersecurity of data exchanges

CHARACTERISTICS OF THE SOLUTION

- **A complete solution:**
 - SOFREL LogUp data logger
 - My SOFREL LogUp mobile application
 - LX CONNECT centralization and fleet management platform
- Eco-designed, robust & compact data logger
- Easy access to the SIM card and battery on-site
- Reinforced sealing device
- Quick connect/disconnect connectors
- Local configuration facilitated by the My SOFREL LogUp app
- Remote management of software updates and business functions (Device Management)
- Automatically end-to-end cybersecurity solution

ADVANTAGES

- **Reduction of operating** and intervention costs
- **Simplification** of data logger deployment and water network management
- **Security** of data and its exchanges

MAIN FEATURES:


Cost optimization


Simplicity

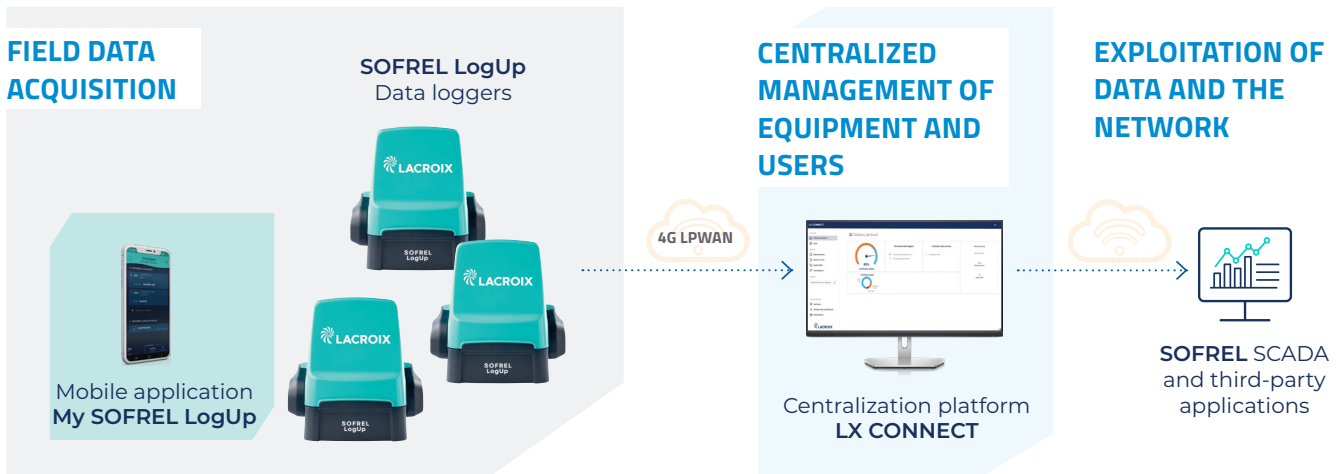

Cybersecurity compliant with IEC 62443


Scalability


3-year warranty


Reduced carbon footprint

Architecture



Technical and functional characteristics

DATA LOGGER:

Mechanical

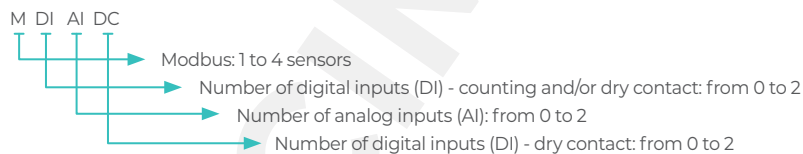
Mechanical design	Patented screwless quick-opening system guarantees watertight seal
Dimensions (in)	Data logger only: H 7.5 x W 7.3 x D 5 – With the bracket: H 10 x W 7.3 x D 5
Weight	2 lb with battery – Bracket 0.44 lb
Operating temperature	-4 °F à +158 °F
Powered	by a high-capacity internal lithium battery
Sealing	Certification (13 ft – 30 days & 6.6 ft – 200 days) IP68 enhanced

Communication

Supported Technologies	4G LPWAN: LTE-M & NB-IoT - Global Coverage
Supported SIM card	Nano SIM card (4FF)
Antennas	Internal and external via connector (enabled by default)
Bluetooth	Cybersecure connection for commissioning, configuration, and diagnostics via the My SOFREL LogUp application

SOFREL LogUp SOLUTION:

Application pack coding
(Identification of the number of activated inputs of the data logger)



Available application packs	101 – 202 – 222 – M101 & M222
Evolution option (Remote update of already installed SOFREL LogUp data loggers)	Upgrade from 101 to 202 or 222 Modbus activation on 101 and 222 Upgrade from M101 to M222
Contents of the solution	Unique LogUp data logger hardware + mounting bracket + high-capacity internal battery Android & iOS (Under development) mobile application My SOFREL LogUp Application pack according to needs LX Connect connectivity platform: <ul style="list-style-type: none"> - Centralized management of equipment and users - Management of automatic certificate renewals with Microsoft PKI and cybersecurity - 1 data sharing with a supervision application (REST API)

CERTIFICATIONS:

Cybersecurity	IEC 62443 (in progress) hEN 18031-1 & hEN 18031-2 "RED-DA"
Certification CE	2014/53/EU "Radio Equipment" 2014/30/EU "Electromagnetic Compatibility" 2014/35/EU "Low Voltage"