

Jellox Data logger

Data logger

Your benefits

- Real-time monitoring of critical process values: **Early detection of flooding, blockages, and other disturbances**
- Precise & long-lasting: **10 s measurement interval with an impressive service life of up to 10 years in ATEX Zone 1**
- Flexible & versatile: **Supports up to 4 sensors and one additional measurement channel (4...20 mA or gas)**
- Intelligent energy management: **Battery lifetime monitoring depending on sensor configuration and operating conditions**
- Smart connectivity: **Automatic data transmission to infin.io for detailed analytics, alarms, and efficient decision-making**
- Simple & autonomous: **High data quality, intuitive operation, and completely independent functionality**
- Ex-certified and robust system architecture: **Reliable operation even in demanding manhole and sewer environments**

Applications

- Rain event monitoring
- Level and flow calculation
- Overflow monitoring
- Manhole installation

Properties

- Connection of up to four wireless sensors plus one additional 4...20 mA measurement channel
- Compatible with pressure, radar, and velocity sensors
- Wireless sensor connection with a range of up to 15 m
- Cellular data transmission via M1 / NB1 World with automatic infin.io integration
- Continuous monitoring of level, overflow, and other process data
- Automated alarms and email reporting for critical events
- Continuous timestamp recording for high data quality
- Internal battery with up to 10 years lifetime including battery status monitoring
- 1,5" full-color display for local device and status indication
- Autonomous and maintenance-friendly operation without external power supply
- Ex-certified system architecture for use in Zone 1

GWF AG
Obergrundstrasse 119
6005 Lucerne, Switzerland

T +41 41 319 50 50
info@gwf.ch, www.gwf.ch

Technical support:
T +41 41 319 52 00, support@gwf.ch

Last updated: 27.08.2026
Generated: 21.11.2026 09:18 | All rights reserved

GWF Jellox integrated with infin.io

Intelligent Monitoring for Water and Wastewater Systems

In combination with the infin.io platform, GWF Jellox becomes a connected system solution for digital monitoring of water and environmental infrastructures. Measurement data is transmitted automatically, centrally visualized, and made available independently of location. Alarm notifications, historical data analysis, and automated reporting support efficient operational and service processes across multiple measurement sites. This enables infin.io to provide maximum transparency, reduce on-site interventions, and support data-driven infrastructure management.

Technical Data

Inputs	4x remote sensors
Optional measurement channel	1x analog (0...20 mA / 4...20 mA, burden 2 Ω)
Internal measured values	SOC (state of charge), Battery lifetime in days, Cellular signal strength
Power supply	Internal battery with up to 10 years lifetime, or up to 4 years when supplying external 4...20 mA sensors
Data transmission	M1 / NB1 World
Display	1,5" full-color display
Dimensions	169 x 106 x 61 mm (H x W x D), including protective housing, without sensors

Approvals	
Ex approval	Zone 1 (II 2G Ex ib IIB T3 Gb)

Compatible Sensors

					
	P-Sensor 0-1 m 9 W	**P-Sensor 0-3 m 9 W**	**P-Sensor 0-10 m 9 W**	**P-Sensor 0-5 m**	**Velocity radar sensor**
Ex approvals	Gateway: Zone 1 / EX Pressure sensor: Zone 1 ATEX			EX Zone 0/1 (II 1/2G Ex ia/ib IIB T4...T3 Ga/Gb)	
Measurement ranges	0 - 1 m	0 - 3 m	0 - 10 m	0 - 5 m	-5...+ 5 m/s
Resolution	1 mm				0,05 m/s
Cable length	5 m		12 m	–	–
Device lifetime	8 years at 10 s measurement interval			10 years at 10 s measurement interval	
Measurement principle	Piezoresistive pressure sensor for potable water, wastewater, and greywater			60 GHz Radar	
Protection class	IP68				

Generated: 21.11.2026 09:18 | All rights reserved