

AQUALOG PQ EVO

AQUALOG PQ EVO is a **compact and versatile datalogger**, **designed for monitoring water networks** even in complex operating contexts without electrical power. It allows the monitoring of pressures, flow rates and levels, adapting to a wide range of applications.

AQUALOG PQ EVO is **ideal for both always-on installations** with external power supply, and for step-test scenarios, thanks to the possibility of activating monitoring and data transmission in real time within default time windows. Among its advanced features, the Discovery mode stands out, which allows high-frequency sampling of water hammers, offering timely and accurate diagnostics.



Water reservoirs



Monitoring points



Flow meters



Combined sewage
overflows



large water users

Features	Values
Analogue inputs (AI)	2 mV inputs for piezoresistive pressure/level sensors 2 4-20mA level inputs (active or passive) for pressure, flow rate, level sensors
Digital inputs (DI)	2 inputs configurable as counts for flow measurement or as status variables to monitor alarm signals
Power supply	- Internal with 2-cell lithium battery pack – 5-year life in standard mode* - External (optional) via DC/DC 9-36 Vdc. Source: power grid, solar panel, microturbine.
Communication vector	2G/3G/4G, 868 MHz LoRaWAN (optional)
Interface	Bluetooth, Wi-Fi
Protocol	MODBUS, IEC 60870-5-104, LoRaWAN
Antenna	External
Connectors	Metal cable glands
Protection rating IP	IP 68 (immersion for 100 days at a depth of 1 metre)
Environmental conditions	from -25°C to + 60°C
Dimensions and weight	115x210x58 mm / 1 kg

Table 1 Features

Materials and Approvals

Features	Values
Body	Fibreglass
Connectors	Cable glands in AISI 303 stainless steel
Clamping screws	AISI 304 stainless steel

Table 2 Features and values

AQUALOG PQ EVO is CE marked and complies with Directives 2014/53/EU (RED) and 2014/30/EU (Electromagnetic Compatibility - EMC).



RED



EMC

AQUALOG PQ EVO competitive advantages



Discovery mode with 125Hz sampling rate



Real-time supervision



Step test investigations



Integrations with SCADA and WMS systems



Local/remote configuration



Alarms triggered by exceeding thresholds and/or reaching physical/logical states



Periodic, scheduled or event-related communication