

Aquatos mini

Compact 2" data logger for groundwater and water level monitoring. Local read-out via Bluetooth, up to ten years of operation from a single lithium cell, rugged stainless steel housing with epoxy potting.

2" Stainless steel housing

10 years Battery life (typ.)

24 SDI-12 channels (max.)

IP68 24 h at 1 m



Bluetooth read-out

Browser-based Bluetooth app · no install · on-site setup.



Up to 10 years autonomous

Single lithium D cell · ultra-low-power · tool-free swap.



Rugged build

Stainless housing · POM core · epoxy-potted electronics bay.



Open standards

SDI-12 V1.3 · up to 24 channels · Wago terminals.

DESCRIPTION

The **Aquatos mini** is a compact 2" data logger for groundwater and surface water monitoring. It runs without mobile network: data is read out locally on site via **Bluetooth** — directly from the **Bluetooth app in the browser**, with no software to install.

The device consists of a **tool-free stainless steel housing**, an inner **POM core** and a separate electronics bay with full **epoxy potting**. Battery replacement and sensor wiring keep the potted electronics safely sealed. Sensors are wired internally via **Wago terminals** — no external connector, no extra sealing point.

The standard configuration ships with a **vented (gauge) pressure sensor**. Up to **24 SDI-12 channels** are available for additional sensors — temperature, conductivity, frequency or pulse counters. Read-out is always done locally over Bluetooth.

APPLICATIONS

- Groundwater wells and water level monitoring
- Surface water monitoring (small streams, ponds, shallow waters)
- Construction-site dewatering and groundwater baseline surveys
- Hydrogeological investigations and pumping tests
- Scientific monitoring campaigns without network coverage

2" · BLUETOOTH LOGGER



KEY FEATURES

- **Bluetooth** · read-out & configuration in browser
- **24 SDI-12 channels** V1.3 · internal Wago wiring
- **Vented pressure sensor** with capillary (standard)
- Battery life **up to 10 years** · single lithium D cell
- **2" stainless steel housing** · tool-free opening
- **Full epoxy potting** · separate electronics bay
- Ingress protection **IP68** (24 h at 1 m)
- Operating range **-25 °C to +70 °C**
- Data hand-off to the **Sensormanager** web portal

- Decentralized stations where mobile connectivity is not required

Technical data

Aquatos mini · Compact 2" Bluetooth data logger

PARAMETER	VALUE
Data logger type	Aquatos mini · 2" version
Pressure sensor (standard)	Vented (gauge) pressure with capillary · range project-specific
Pressure sensor (option)	Absolute pressure with internal barometer (factory-configured, not field-upgradable)
SDI-12 channels	Up to 24 channels · SDI-12 V1.3
Sensor connection	Internal Wago terminals · no external connector
Wireless	Bluetooth · local read-out & configuration · no cellular modem
Battery	1× Lithium thionyl chloride (Li-SOCl₂), size D · tool-free replacement
Battery life	Typically up to 10 years at standard logging interval
Housing	2" stainless steel · POM core inside · separate epoxy-potted electronics bay
Ingress protection	IP68 (24 h at 1 m submersion depth)
Operating temperature	-25 °C to +70 °C
Housekeeping channels	Battery voltage · internal temperature · battery capacity · (barometric pressure on absolute variant only)
Configuration	Bluetooth app in browser (Chrome / Edge) · BlueShell (Windows)
Data export	Hand-off to the Sensormanager web portal after on-site read-out
Compliance	CE (RED 2014/53/EU · EMC 2014/30/EU) · RoHS



Bluetooth read-out

Browser app · Chrome / Edge · no install



Up to 10 years autonomous

1× Li-SOCl₂ size D · tool-free replacement



Rugged build

Stainless steel · POM core · epoxy potting

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