Aquarino

TECHNICAL DATASHEET

Aquarino KH

Automated alkalinity monitoring and control for marine aquariums

The Aquarino KH measures the alkalinity (KH) of your aquarium water without reagents, automatically and accurately, and keeps KH on target with a buffer doser or a calcium reactor. You follow everything from the app, on your local network or in the cloud.



Automatic, continuous monitoring

Up to 24 measurements per day, no reagents.

Intelligent control

Buffer dosing or calcium reactor control through the CO2 Port.

Reef stability

Learns your aquarium's rhythm and holds KH close to the target, with automatic safeguards.

Operating modes

Monitoring

Tracks KH around the clock and warns you when it leaves the range.

Alkalinity Doser

Doses buffer automatically to keep KH on target.

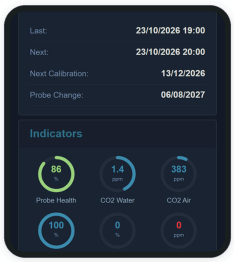
Calcium reactor

Regulates the reactor through CO2 control, for a stable KH.

App: monitoring and control

- KH, pH and CO2 (air and water) readings
- Comparison charts and heat map
- Remote access and push alerts
- Modern interface: in the app, on your local network and in the cloud
- Available for iOS and Android







Full manual in 9 languages

Point your phone camera here

manual.aquarino.com.br/en/kh

Technical specifications

Application	Marine aquariums
Measured parameter	Alkalinity (KH), in dKH, ppm CaCO3 or mEq/L
Method	Patented, no reagents
Measurement frequency	1 to 24 measurements per day
Measurement duration	About 30 minutes
Sensor	pH probe with BNC connector, 12-month nominal service life
Upward correction	External dosing pump, through the KH Buffer port
Downward correction	CO2 Port: dry contact (IN → OUT), 5 A maximum
Integration	KH-OUT output (BNC, works like a pH probe) and Aquarino Controller integration
Connectivity	Wi-Fi 2.4 GHz (802.11 b/g/n), ESP8266 module
Access	App (Android and iOS), local browser interface and cloud
Alerts	App push notifications, e-mail, sound alert and LED
Data logging	Memory card, with spreadsheet export
Updates	Over the network, with a notice in the interface
Power	External 12 V DC, 5 A (60 W) supply, included
Power supply input	100 to 240 V AC, 50/60 Hz
Dimensions (H × W × D)	21 × 17 × 20 cm (8.27 × 6.69 × 7.87 in)
Net weight	1.85 kg (4.08 lb)
Enclosure	Acrylic

CO2 Port. The port does not supply power: the external voltage passes through the contacts, from IN to OUT (for example, 12 V or 220 V). Use it only for the CO2 solenoid or the calcium reactor pump, never for heaters or lighting.

Main components

- Control board with Wi-Fi (ESP8266)
- Three internal dosing pumps: reference, transfer and tank
- pH probe (BNC)
- Measurement and reference chambers
- Level sensors
- Valves, tubing, filter and air pump

What's in the box

- Aquarino KH
- Universal-voltage 12 V / 5 A power supply
- 5 × 3 mm silicone hose with sinker
- pH probe with BNC connector
- pH 7.00 and pH 10.00 calibration solutions