

Aquatronica

Instruction Manual 

Temperature & Level Interface ACQ210-TL



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English

The temperature value is one of the most influential parameters for the ecosystem of an aquarium.

Therefore, it becomes indispensable to measure, and if possible, control it by using heaters and coolers.

Another particularly useful accessory is the mechanical level sensor. This accessory verifies the presence of water in a tank, or as it is more often used, in an external filter (SUMP), in order to activate an automatic topoff.

Aquatronica recommends the product "Temperature & Level Interface" which makes it possible to connect additional temperature and level sensors to the "Aquarium Controller" system.

Pack contents

You will find:

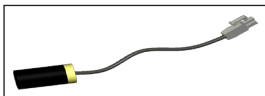
- One Temperature/Level probe connection interface.
- One BUS cable for connecting the interface to the power unit

Connection Diagram

LEVEL SENSOR



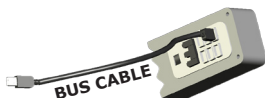
TEMPERATURE SENSOR



ACQ210-TL



BUS CABLE



NOTE: it is possible to indifferently connect two temperature sensors, two level sensors, or even one of each.

1. Connect the probe's connector to the interface (ACQ210-TL).
2. Connect the ACQ210-TL interface to the power unit (or HUB) using the provided BUS cable.

NOTE: Insert the correct end of the connector into the power unit; inserting it in the other direction can seriously damage the equipment.

Information on programming and calibration

FOR ALL INFORMATION REGARDING THE PROGRAMMING AND CALIBRATION OF THE TEMPERATURE AND LEVEL SENSORS, PLEASE REFER TO THE AQUARIUM CONTROLLER INSTRUCTION MANUAL. THE LATEST VERSION OF THE MANUAL IS AVAILABLE ON THE WEBSITE "[http\\www.aquatronica.com](http://www.aquatronica.com)" IN THE "DOWNLOAD" AREA.

Suggestions for an accurate reading of the temperature

Below is a list of some simple suggestions for optimum temperature readings in aquariums:

- The temperature sensor must not be installed near heaters or coolers.
- Install the sensor where it cannot accidentally come out of the water.
- At installation, calibrate using a sample temperature sensor.

NOTE: in case of malfunctions or any doubts about the use of this interface, please contact AQUATRONICA'S free Technical Assistance.

Suggestions for an accurate level reading

Precise readings greatly depend on periodic cleaning of the sensor.

Below is a list of some simple suggestions for optimum level readings in aquariums:

- Periodically wash the probe with tap water.
- Do not install the interface in contact with wet or damp parts.
- Do not install the level sensor near reciprocating pumps.

IMPORTANT

Aquatronica guarantees reliable level control only if its line of sensors are used. The use of other brands of sensors could cause system anomalies.

NOTE: in case of malfunctions or any doubts about the use of this interface, please contact AQUATRONICA'S free Technical Assistance.

DISPOSAL OF ELECTRIC AND ELECTRONIC PARTS

Pursuant to Article 13 of Legislative Decree No. 151 of 25 July 2005, "Implementation of **Directives 2002/95/CE, 2002/96/CE and 2003/108/CE, regarding the reduction in use of dangerous substances in electrical and electronic equipment, as well as waste disposal**"



Products bearing the barred dustbin symbol must be disposed of separately from other waste.

The user must therefore dispose of the product in question at suitable recycling centers for electronic and electro-technical waste, or he/she must turn over the used product to the retailer when buying a new equivalent product, on a one-to-one basis.

Separate waste collection allows used equipment to be recycled, treated and disposed of without negative consequences for the environment and health, and it allows the materials in the equipment to be recycled. Illegal dumping of the product by the user entails the administrative sanctions stated in Legislative Decree No. 22/1997 (Article 50 et seq of Legislative Decree No. 22/1997).



Separate collection of used products and packaging allows materials to be recycled and used again. Reuse of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.



Local regulations may provide for the separate collection of household appliances at municipal waste sites or retailers when a new product is purchased.

Declaration of Conformity

DECLARATION OF CONFORMITY



Standard of reference ISO/IEC Guide 22 and EN 45014

Number of conformity: 003-2006

Name of the manufacturer: **Aquatronica division of A.E.B. srl**
Address: via dell'Industria, 20
Corte Tegge
42025 Cavriago (RE) Italy

DECLARES THAT THE ELECTRONIC UNITS

Code: **ACQ012** (6 shuko plugs + I/O)
ACQ012 AUS (6 australian plugs + I/O)
ACQ012 F (6 french plugs + I/O)
ACQ012 UK (6 english plugs + I/O)
ACQ012 ZA (6 South Africa plugs + I/O)
ACQ013 (4 shuko plugs + 4 F plugs + I/O)
ACQ013 CH (8 swiss plugs + I/O)
ACQ220 (PC interface)
ACQ200 (I/O interface)
ACQ210-RX (REDOX sonde interface)
ACQ210-PH (PH sonde interface)
ACQ210-TL (temperature and level sonde interface)
ACQ210-MS (conductibility sonde interface)
ACQ210-D (density sonde interface)
ACQ450 (dosing pump 4 modules)

ARE IN COMPLIANCE WITH THE FOLLOWING PRODUCT SPECIFICATIONS:

FIELD	Directive	Description	References	Test Result
EMC	89/336/EEC	EMC directive	<i>Official Journal of the European Union L139 May 23 1989</i>	applied
LVD	73/23/EEC	Low voltage directive	<i>Official Journal of the European Union L077 March 26 1973</i>	applied

THEREFORE THEY ARE IN COMPLIANCE WITH THE REQUISITES OF THE CE MARK

The equipment was checked in a typical working configuration

Place of issue: **Cavriago (RE) Italy**

Date of issue: **05/23/06**

The A.E.B. srl legal representative
Paterlini Ivan

Aquatronica

The logo graphic consists of three wavy lines in blue, green, and red, positioned below the 'A' and 'q' of the word 'Aquatronica'.

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