



M504

aquaMostra

Automatic and refrigerated
sampler



Operation

- aquaMostra M504 takes samples at configurable **intervals** or **at specific times**. It is also capable of taking samples responding to alarms from other equipment, probes or by **remote order** from a control center.
- Before each sampling, a **self-washing process** is carried out of the bottle to be filled and the tubes through which the sample circulates, in order to guarantee its total renewal.
- After each sampling, a tube emptying cycle is carried out to avoid further contamination.
- The sample is stored in removable and sealable 0.5 l HDPE bottles, located in a removable tray.
- The sampling data can be recorded automatically in a remote control center.

Design

- **Intake system.** Peristaltic pump that keeps the sample unaltered by collecting the sample by suction of water.
- **Refrigerated system.** Sample storage at 4 °C.
- External touch screen for configuration and display of the equipment data.
- **Control system**
- **Acquisition**
- **Storage**
- **Data transmission.**

Automatic analysis equipment allows to obtain information on certain events that occur in the natural environment, providing fundamental information on possible episodes of contamination or on the quality of water masses. However, on certain occasions it is necessary to be able to characterize the composition in detail, either to determine the specific origin of the discharges, or to determine the qualitative composition of the water.

aquaMostra M504 carries out the sample collection in optimal conditions, for their subsequent laboratory analysis. It is the essential complement for facilities with continuous analysis and early warning equipment.

Regarding communication with the control center, it allows the transmission of **MQTT** messages, which facilitates integration with **IoT-oriented services**, such as the **Adasa's ecoData® Alert and Monitoring System**.

Noteworthy Characteristics

- Recognition of the state of the sample bottles.
- Self-emptying bottle system.
- Double compartment stainless steel casing.
- Lower refrigerated compartment with corrosion resistant finish.
- Removable and sealable bottles.
- Flexible parameterization of sampling, volumes, washing operations.
- Take samples by external order from other devices.
- Self-cleaning system for tubes and collection.
- Collection system management.



Technical Specifications

Supply voltage and consumption

24VDC (Máx. 13.3A). Optional external power supply 110-240Vac (50-60Hz) / 24Vdc

Communications

ModBus TCP, MOTT (ecoData®), Ftp, Remote Desktop and WEB access. Other options: Talk to us for more options

Physical ports

Ethernet (RJ45) and USB

User Interface

Touch screen (Color TFT 7")

Sample Volume

Adjustable from 200 to 500 mL

Capacity

24 sealable bottles of 500 mL

Aspiration

Flow 1 L/min
Tube Ø 12 mm exterior

Dimensions & weight

Coverage without connectors or brushings

Doors closed 1,350 x 655 x 660 mm H x W x D

Net weight 108 kg

All Adasa products are designed and manufactured according to the highest quality standards:

- ISO 9001 Quality Management
- ISO 14001 Environmental Management
- EMAS Eco-Management and Audit Scheme

We make
water
a **trusted**
friend

