

# SERVOMEX

## AquaXact 1688 Controller

NEXT-GENERATION DIGITAL CONTROLLER PLATFORM DESIGNED TO SEAMLESSLY INTEGRATE WITH THE AQUAXACT 1688 MOISTURE TRANSMITTER.



### AquaXact 1688 Controller

Designed specifically to work in harmony with the AquaXact 1688 ultra-thin film Aluminum Oxide moisture transmitter, this digital controller provides a high-clarity color touchscreen display, alarms, relays and advanced communications protocols.

It gives AquaXact 1688 users access to powerful, intuitive software control, and allows easy sensor tip replacement in the field. The sensor tip can be replaced by the user and the calibration file loaded into the transmitter via the digital controller, removing the need for return-to-factory calibrations and thus lowering costs of ownership.

### FLEXIBLE

- RS232 and RS485 digital outputs
- Advanced digital communications including Ethernet, Modbus TCP/IP and PROFIBUS

### EASY TO USE

- Compact footprint for easy integration into your system
- Advanced touchscreen GUI allows intuitive hands-on setup and operation

### LOW COST OF OWNERSHIP

- Minimal training requirements
- Allows in-the-field calibration of replacement AquaXact 1688 sensor tips, eliminating costs of returning the transmitter to the factory

### UNRIVALLED PERFORMANCE

- Manufactured by Servomex to the same high standards as the company's innovative gas analyzers
- Seamless integration with the AquaXact 1688 moisture sensor for advanced digital control of dew point and ppmV H<sub>2</sub>O measurements

### BENCHMARK COMPLIANCE

- Complies with Low Voltage, EMC and applicable directives

Learn more about the AquaXact 1688 Controller  
Visit [servomex.com/aquaxact-1688-controller](http://servomex.com/aquaxact-1688-controller)



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HIGH-PERFORMANCE GAS ANALYSIS

# PRODUCT DATA: AquaXact 1688 Controller

## DEVICE SPECIFICATION

### Size:

- 205mm (8") wide x 140mm (5.5") high x 230mm (9.1") deep

### Weight:

- 3.2kg (7lb)

### Operating Temperature:

- 0°C - 45°C (32°F - 113°F)

### Compliance:

- IEC 61010-1
- Overvoltage Category II, Pollution Degree 2
- EU EMC Directive
- EU Low Voltage Directive

## ALTERNATIVE PRODUCTS

The following SERVOPRO products are also designed to seamlessly integrate with the AquaXact 1688 moisture sensor, combining all the functionality of an advanced digital controller with Servomex's renowned, reliable gas analysis.

### MonoExact DF310E



Designed specifically to accurately measure oxygen in industrial gas applications, the MonoExact DF310E is a next-generation digital oxygen analyzer that combines trace-level measurement with new performance benefits and extended digital communications compatibility. It was developed alongside the AquaXact 1688 moisture transmitter for seamless integration, allowing the system to simultaneously record and display measurements for oxygen and moisture.

### MultiExact 4100



Next-generation Coulometric oxygen analyzer, designed specifically for use in various industrial applications including glove boxes, heat treating, solder reflow ovens, laboratory and industrial gas applications. Updated sensor design requires only an annual electrolyte refill.



### Designed to work with AquaXact 1688 moisture sensor

The AquaXact 1688 is a rugged, ultra-thin film Aluminum Oxide moisture transmitter that enables fast, accurate dew point and ppmV H<sub>2</sub>O measurements of moisture in a wide range of gas phase process applications. It can connect to the AquaXact 1688 Controller or a compatible Servomex analyzer via a RS485 cable with a maximum length of 200m.

## KEY APPLICATIONS

- Air Separation Units
- Natural Gas Processing and Transportation
- Glove Boxes
- Instrument Air Units
- Ethylene Production
- Refining Gases
- Medical Gases
- Semiconductors
- Furnace Gas/Heat Treating
- Power Generation
- Air Dryers
- Pharmaceutical
- Aerospace

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