

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 H₂O measurements

BENCHMARK COMPLIANCE

 Complies with Low Voltage, EMC and applicable directives

Learn more about the AquaXact 1688 Controller

Visit servomex.com/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:

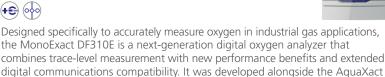
- IEC 61010-1
- Overvoltage Category II, Pollution Degree 2
- **EU EMC Directive**
- EU Low Voltage Directive

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





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 H₂O 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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