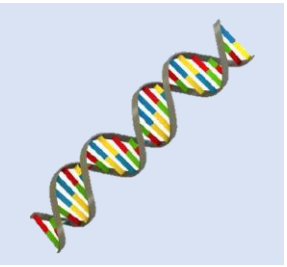


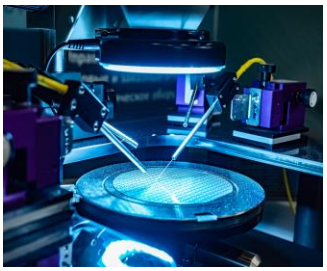

AquaVolt+

Precision Moisture Analyzer

Industrial Gas | Electronic Gas | Natural Gas | Medical & Aviation | Aerospace & Military | Glove Box | Specialty Gases

Reliable and longstanding staple of the high-purity gas industry, the **AquaVolt+** provides accurate, calibration- free technology for trace moisture analysis to very low ppbV. It excels across a range of applications, among them:

- Semiconductor manufacturing
- Refrigerant gases, such as $C_3H_2F_6$, CF_4, CH_2F_2, and CH_3F, and others used to etch polysilicon and for Chemical Mechanical Planarization (CMP)
- Specialty gas applications, including Silane for wafer deposition and more
- Hexafluoroethane (C_2F_6) for semiconductor tool chamber cleaning, removal of silicon dioxide from silicon wafers, and plasma etch
- Government research and industrial laboratories. **Example**: DNA research for drug development and genetic therapies
- Shielding gases for orbital welding
- Aerospace and military
- Helium and Nitrogen Gases: ~ 0.5 to 1 ppmV for tube trailer moisture verification
- Pressure Swing Adsorbers (PSAs) used in Helium Recovery
- Mobile cart applications

Well-thought-out features save space, ease operation, and boost confidence, including:

- ❑ **Compact, flexible footprint:** Two analyzers can fit neatly into ONE 19" RACK!
- ❑ **Ease of Use:** User-friendly keypad interface, bright vacuum fluorescent display (VFD) and helpful menu-driven prompts make the **AquaVolt+** simple to specify, to configure, and to start up.
- ❑ **Flash upgradable software:** Easily upgrade unit software via RS232 port.
- ❑ **Adjustable outputs:** Flexibility to change output scales in the field. No need to replace electronic components or open the analyzer. Simply open the menu via Mode/Enter key and select Output scale.
- ❑ **Mass Flow Control:** Select your sample gas from the main menu and the microprocessor automatically adjusts the mass flow controller to the proper set point.
- ❑ **On-line verification:** Conveniently verify proper cell operation, using our simple Delta Flow procedure to check sensor linearity and performance on-line.
- ❑ **Consistency and precision:** The reliability and accuracy of MEECO's time-proven electrolytic sensors are unique among its peers. When you have been doing something since the early 1950's, you approach perfection...

AquaVolt+

Specifications:

Detection Limit (LDL):	35 ppbV
Operating Range (for inert gases):	0-20 ppmV; for Oxygen, the range is 0-12 ppmV
Accuracy:	±5% of reading or 35 ppbV, whichever is greater
	In Oxygen: ±20% of reading or 100 ppbV, whichever is greater.
Cell type (P_2O_5):	AILR, AOLR, AHLR
Gas Matrices Library:	Inert gases, Oxygen, Hydrogen, Clean Dry Air (CDA), Methane, Ethane, Propane, Normal Butane, Isobutane, Carbon, and others, including gas mixtures. For other gases, please consult factory. *For Oxygen (mixtures) AOLR cell is required, for Hydrogen (mixtures) AHLR cell is required.
Inlet Pressure:	10-3000 psig (0.7 – 207 bar).
Operating (Ambient) Conditions:	0°C to +60°C (32°F to +140°F), maximum 80% RH non-condensing
Flow Rate:	Cell: 100 sccm Bypass 1000 sccm
Display unit options:	ppmV, ppbV, ºC or ºF dewpoint
Gas Connections:	Inlet: 1/4" VCR. Outlet: 1/8" compression. Bypass outlet: 1/8" compression
Signal Output:	Field Configurable Isolated 0-5 VDC or Isolated Current Output 4-20mA, 0-20mA, or 0-24 mA -- RS - 232 Communications – Standard
Alarms:	Two (2) user-adjustable moisture levels
Electrical:	100 – 240 VAC, 50/60 Hz, 50 watts.
User Interface:	5-key Membrane Keypad. 2-line x 20-character Vacuum Fluorescent Display (VFD).
Weight:	22 lbs. (10.0 kg)
Dimensions (H x W x D):	Stand Alone: 7" x 8.19" x 14.76" (17.8 cm x 20.80 cm x 37.49 cm) Optional 19" Rack Mount: 7" x 19" x 17" (17.8 cm x 48.26 cm x 43.2 cm)
Approval:	CE Mark

Service with a Big Smile 😎: The **AquaVolt+** comes with a full two-year Certificate of Calibration. The cell can easily be replaced in the field, with no need to disconnect the unit from the sample stream! Also, spare cells now have a six-month storage life if maintained on battery.

250 Titus Avenue, Warrington, PA 18976
Phone: +1 215-343-6600
sales@meeco.com ♦ www.meeco.com

MEECO INC

11/2022