



March 2016

## More instructional videos added to Bio-Logic web site!

Bio-Logic continues to address frequently asked questions and the more complicated system installs with instructional videos. Here are links to those videos for each product segment:

[EC-Lab videos](#)

[Scan-Lab videos](#)

[MT-Lab videos](#)

If you do not see what you were looking for, let us know, and we will add it to our list!

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## Introducing the AWS A20 e-QCM!

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### Tech Tip: Time for Spring Cleaning!

Spring is a time of rejuvenation, when many of us become inspired to clean after a long, cold winter. Don't forget to clean your valuable electronics! Dust build-up can shorten the life span of your electrical equipment by short-circuiting components (dust can be conductive!), and reducing the cooling efficiency of the system (excessive heat can kill!). Keeping a clean lab should always be step 1 to prevent dust build-up, cleaning all surfaces regularly. For dusting electronics, opening up the systems



The AWS A20 system provides real-time and sensitive monitoring of surface-bound interactions, such as adsorption and desorption processes, characterization of molecular interactions, protein conformational changes, etc.

The technology in the AWS A20 is based on the acoustic wave sensing principle which enables an accurate detection of mass and structural changes on the sensor surface. The system can be coupled to a Bio-Logic potentiostat/galvanostat system to perform electrochemical quartz crystal microbalance (e-QCM) measurements for the most demanding experimental requirements.

The platform is versatile, permitting the use of different types of acoustic wave sensors, including up to 150 MHz High Fundamental Frequency QCM sensors (HFF-AWS), as well as the far more common 5 MHz to 10 MHz sensors (QCM-AWS). The platform can also be coupled with a F20 flow system to manage the solution flow.

For more details, visit the [web page](#), or contact your Bio-Logic representative.

and using dry, compressed air to blow the dust out (best done outside the lab) has proven to be a very effective way to eliminate dust build-up. We know many of you use your Bio-Logic systems 24/7, but make it a priority to inspect and clean the system as needed during those rare down-times, as well as to perform any needed software updates.

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## [Check Out Our Wide Range of BCS-8XX Battery Testing Systems!](#)



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## **Upcoming Meetings/Exhibitions:**

**2016 NACE Spring Meeting: Mar. 7 - 11 Vancouver, Canada**

**2016 MRS Spring Meeting: Mar. 28-Apr. 1 Phoenix, AZ**

**2016 ECS Spring Meeting: May 24 - 28 San Diego, CA**

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Bio-Logic has an extensive list of both application notes and technical notes available on its web site. The latest technical notes issued are:

### **[New EC-Lab Technical Note](#)**

#### **[TN #40](#)- Influence of the current range on the response time of a potentiostat**

This note explains the influence of the current range on the response time of the potentiostat.

### **[New SCAN-Lab Technical Note](#)**

#### **[TN#11](#) - Determining the probe diameter and RG ratio in an SECM experiment**

In SECM experiments the diameter and RG ratio of the probe heavily influence the resulting measurements and may limit the proximity of approach.

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## **[All New VSP-300 chassis!](#)**

**New Smaller Footprint  
New Eye-catching Design  
Same World-Class  
Performance!**

### **Did you know...**

Bio-Logic's experienced team of engineers continuously addresses improvements and new features in EC-Lab®. These improvements are released in new software versions and are available free of charge for Bio-Logic customers. Upgrades and historical archived versions are available for download from [our website](#).

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**Bio-Logic provides application-focused and technique specific tutorials available for download on our web site**

### **[Quick Link to Tutorials](#)**

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### **Demo Unit Sale**

Bio-Logic USA keeps a demonstration (demo) inventory of systems used for trade-shows, training, and of course demonstrations to prospective customers. We currently have the following systems available at deep discounts:

- SP-240
- VSP
- 10A Current Booster for VMP3/VSP/SP-150 systems

The units are sold with the same warranty that we provide with our new systems. If you are interested in pricing on one of these systems, please contact your Bio-Logic USA Sales Engineer.

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We appreciate and rely on customer feedback for our continuous improvement process, so we would like to hear from you. Whether it be product improvement suggestions, application questions, or technical support issues, contact us via email or telephone at your convenience.

Sincerely,

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