Take Control of Your Plating Bath

Programmable Multi-Sampling System for Analysis of Organics <u>and</u> Inorganics



QUALILAB QL-10E is a new generation of CVS instrumentation with multisampling capabilities. It provides automated analysis of up to 12 different plating solutions. Fully controlled by software, the entire analysis sequence is automated, lessening the need for operator involvement. The QL-10E quantitatively determines organic additives and inorganic components in almost every electroplating solution, whether it's in a PCB factory or a Semiconductor fab.

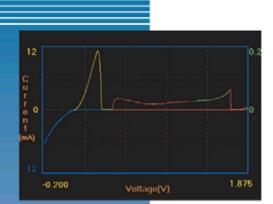
ECI's decades of electroanalytical experience have been programmed into automated, user-friendly procedures to increase accuracy, decrease analysis time and extend the versatility of the instrument with new applications.

QUALILAB® QL-10E

Qualilab is Plating Bath Analysis with CVS Accuracy

QUALILAB® QL-10E

Easy-to-use, reliable, unfailingly accurate, built to last and affordable...that's the QL-10E



Select Task

Analysis of Acid

Analysis of Chloride

Analysis of Contamination

Analysis of Copper

Analysis of Enthone Viaform Leveler

Analysis of MacDermid PPR Additive

Analysis of Nickel

Analysis of Saccharin

Analysis of Shipleyl Ultrafill Suppressor

Analysis of Tin

Features and Benefits

The QL-10E comes "fully packed" with all the features we know are important to you. You'll find:

- 15-position turntable and 14-position sample holder
- Exchangeable electrode head for measurement of different plating baths and use of different electroanalytical techniques
- Automatic syringe delivery system
- · Flexible analytical procedures
- · Smart procedures with self-optimized parameters
- Pre-programmed procedures for dozens of proprietary organic and inorganic components of plating solutions
- Several new electroanalytical modes have been added to the capabilities of the ECI Model QL-10E
- Easy software and hardware upgrades with new techniques and procedures
- · Modular design allows easy upgrades

Typical Applications

Ideal for Almost Every Plating Process

With the QL-10E, you'll get accurate, reliable monitoring of organic additives, inorganic components and contaminants.

- Determination of organic additives, inorganic components, and contamination in electroplating, electroless, immersion baths for Cu, Sn, Sn-Pb, Pb,Ni, Ag, Cr, as well as Al anodizing solutions and cleaners
- Incoming and outgoing inspection of additives
- · Optimization and monitoring of carbon treatment procedure
- Studying the component consumption rate
- Optimizing new plating processes and developing new formulations

But most importantly the QL-10E will provide fast, accurate results (better than 5% accuracy) and will keep your process sailing smoothly.



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