

CVSmart®

VERSATILE LAB CVS UNIT

- ✔ Portable CVS unit
- ✔ Can be connected to any PC by USB
- ✔ All-in-one parameter screen for the analysis
- ✔ Best ratio between life span and cost for the electrodes
- ✔ Easy access to the electrodes for preventive maintenance
- ✔ DOSmart® dosing unit available for automatic additions of the solutions

CVSmart® PLATING BATH ADDITIVES ANALYSIS SYSTEM

We offer a wide range of CVS equipments for the control of the organic additives in the acid Copper and Tin/ Tin-Lead plating baths.

The CVSmart® is our lab equipment with its compact design and ease-of-use. It allows a perfect control of your baths and will be easily handled by the operators.

AVAILABLE PROCESSES :

Process library including the major chemical suppliers (Atotech, Dow, Macdermid-Enthone, Schloetter, Technic, JCU, etc...)

If your process is not available, our R&D lab can build the CVS Procedure for your additives.

APPLICATIONS :

Manufacturing industry for PCB, electronic connectors and semiconductors.



CHARACTERISTICS CVSmart®



Our CVSmart® analyzer already gets a wide range of process library available. The unique CVSmanager software will record all the current and potential values from the analysis curves, but also from the calibration curves as well as all analytical results which will be stored in a dedicated Excel file. It also gives you the capability to create your own analytical sequences.



The CVSmart® can have, as an option, an automatic device for addition of the analysis reagents, the Dosmart®. The operator is then free to perform other actions while the analysis is running. The system is connected through a USB port, the PC used for the control of the system is completely independent. The software has two level of operation, operator level is for basic analysis and supervisor level which allow the modification of the different analysis parameters.



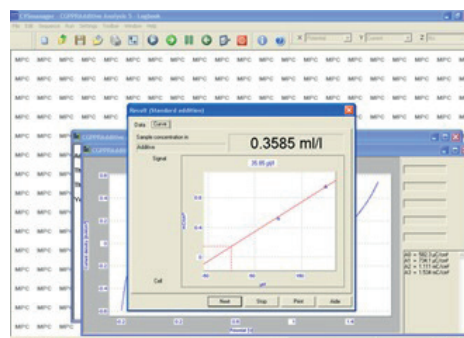
The CVSmart® uses a three electrodes system : A rotating electrode with a Platinum tip, a silver/silver Chloride reference electrode with a glass double junction, a platinum auxiliary electrode in order to avoid any contamination during the analysis. Those electrodes have a direct access which allows an easy preventive maintenance and ease-of-use.

CVSManager® CONTROL SOFTWARE

The system will automatically control, measure and store the analytical results.

The Windows based software allows an easy and intuitive handling by the operator and supervisor guaranteeing a security of the analyzes.

The operator level is dedicated to the day-by-day analysis while the supervisor level allows to verify the values but also to change the analysis parameters.



CVSmanager® ADVANTAGES :

- ✔ All analysis parameters are accessible from a single screen
- ✔ All analytical results are automatically stored in dedicated Excel file
- ✔ The Softwares allows to perform other types of measurement

CHARACTERISTICS

POTENTIAL	V	± 12.5 v
CURRENT	A	± 100 mA v
POLARIZATION POTENTIAL	V	± 5 v
RISING TIME	µs	< 2
POTENTIAL RANGES	3 ranges (5/2/1V)	
CURRENT RANGES	7 ranges (100nA to 100 mA)	
ROTATION SPEED	0 - 4750 rpm (+/-1.2 rpm)	

DOSmart® :

Automatic dosing additions system for CVSmart®

ADVANTAGES :

- ✔ Automatic additions of the solutions during analysis
- ✔ Operator time saving
- ✔ Better reproducibility of the additions
- ✔ Decreased risk of Human factor

