Princeton Applied Research

394
Electrochemical Trace Analysis System

The Ultimate System for PC-based Polarography and Voltammetry

- Latest evolution of the industry standard 384B Polarographic Analyzer technology
- Experiment control from your PC
  Microsoft Windows™ 3.1
- Upgrade 384B with 394 software
- Real time plotting
- Overlay up to 9 files
- Auto-Peak ID, zooming
- User drawn baselines/tangents
- Calibration plots, standard addition and standard curve
- Autoexecute

The Model 394 Electrochemical Trace Analyzer gives you all the advantages and flexibility of computerized data analysis along with Windows compatibility. The analyzer performs routine analyses easily and rapidly. The software features real time plotting, the ability to overlay up to nine files, peak ID, zooming, user drawn baselines and tangents, calibration plots, standard addition and standard curve methodology. Its ease of operation will increase your productivity and performance.

The Model 394 provides nine techniques for performing voltammetric and polarographic analysis. These include square wave voltammetry, differential pulse polarography, normal pulse polarography, sampled DC polarography, square wave stripping voltammetry, differential pulse stripping, DC stripping linear sweep voltammetry and cyclic staircase voltammetry.

Designed for both simplicity and sophistication, the Model 394 provides a solid foundation for electrochemical research. All Princeton Applied Research instruments are developed with high standards of accuracy and repeatability.

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Specifications

Hardware

Potentiostat Compliance: ±12 V at 2 mA
I/E Converter: Fully autoranging from 100 nA to 1000 µA
Precision: ±0.1% of the current decade in use

System Requirements

Analyzer: A 384B (with the latest prom C1 & disk firmware F0)
394 Complete System

Electrode Assembly Options
Model 303A Static Mercury Drop Electrode
Offers convenient polarography and stripping voltammetry
Model 305 Stirrer
- 394 activated
- Instant On/Off

K0264 Microcell
A variety of milli- and micro-electrode options available (compatible with the 305 stirrer)

Ordering Information

Two configurations of the Model 394 Electrochemical Trace Analysis System are available. If you have a compatible personal computer and printer and want to use them as part of the Model 394 system, you can purchase the system without a PC or printer (Model No. 394/40/0). This configuration includes the Model 394 Electrochemical Trace Analyzer, Model 394 Analytical Voltammetry Software, Model 303A SMDE, Model 305 Stirrer, and appropriate connecting cables.

Or you can purchase the system with all of these components, a compatible PC with all of the appropriate software preinstalled and tested, a printer, and a parallel printer cable (Model No. 34/4/C).

You can also purchase the Model 394 software separately to upgrade your existing Model 384B system.

Specifications subject to change
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