

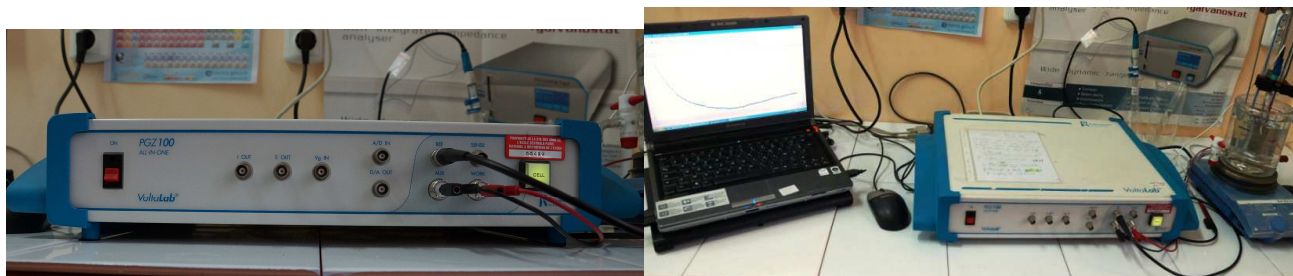
CC-ITES

Competences Center: Interfaces – Tribocorrosion and Electrochemical Systems.

Faculty of Engineering, Dunarea de Jos University of Galati, Romania.

www.cc-ites.ugal.ro

Electrochemical Workstation PGZ100-2 All-in-one Potentiostat



- Potentiostat-Galvanostat with Electrochemical Impedance Spectroscopy Analyser
- Computer controlled
- Acquisition-view experimental data program: VoltaMaster 4
- Electrochemical Cell with double walls to maintain constant temperature of electrolyte and solutions
- Electrodes
- Interface and Lap Top Computer for piloting, acquisition experimental data
- Editing, processing, simulation and presentation of experimental data program

- Kinetics and mechanism of complex degradation of biomaterials in biological fluids
- Kinetics and mechanism of resistance to degradation of functionalized surfaces

Technical Specifications:

VoltaLab 10 is an all-in-one system which brings you a multitude of functions in a compact box at an unbeatable price. As it is the easiest to use “all-in-one” potentiostat on the market, it is the obvious choice for teaching or for beginners in electrochemistry. It offers Voltammetry and Electrochemical Impedance Spectroscopy.

• Voltammetry

- Maximum compliance voltage ± 30 V
- Maximum current output ± 1 A
- Maximum polarisation voltage ± 15 V
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• Electrochemical Impedance

- Max. frequency 100 kHz
- Min. frequency 1 mHz

• Ordering information

- VoltaLab 10 (230 V) R21V011
- VoltaLab 10 (115 V) R21V012.

Kinetic and mechanism of material degradation (corrosion, biocorrosion, tribocorrosion).

Cinetica și mecanismul degradării complexe a biomaterialelor în fluide biologice.

