

- Field Corrosion measurement
- Sensor application
- Electroanalytical application
- Field Battery test application
- USB control
- Compact size
- Multi working electrodes, single reference & single counter electrode
- And more.....

System hardware is based on WMPG series multichannel potentiostat/galvanostat. The system contains independent channel controller, a multiplexed data acquisition circuitry. This system can provide two mode (General mode: general multichannel potentiostat/galvanostat with eight working electrodes, eight reference electrodes and eight counter electrodes or Sensor mode: a multi-potentiostat with eight working electrodes, one common reference electrode and one common counter electrode). The sensor mode is designed so that eight working electrodes are in the same electrochemical cell. The potential control range is following customer specification. Each electrode can be individually controlled, including on/off control, potential and current range settings.. Each substation can be used as independent system with optional "Stand Alone Kit" or can be built up integrated system as add-on. These give flexibility to users application.

**For stable and accurate target**

- 4 probe type true potentiostat/galvanostat circuit
- High resolution 16 bit ADC/DAC: WMPG provides 0.0015% f.s resolution in control and acquisition both.
- Channel isolation: To prevent any noise from the other channel, each channel is designed for isolation.
- Multiple current ranges: 3 ranges. Auto/manual selection

**Software**

- ☞ Application
  - ✓ Cyclic voltammetry (Technique Menu)
  - ✓ Linear Sweep Voltammetry (Technique Menu)
  - ✓ Square Wave Voltammetry (Technique Menu: Option)
  - ✓ Chrono-amperometry (Technique Menu)
  - ✓ Chrono-coulometry (Technique Menu)
  - ✓ Chrono-potentiometry (Technique Menu)
  - ✓ Tafel Plot (Technique Menu)
  - ✓ Potentiodynamic (Technique Menu)



- ✓ Cyclic Polarization (Technique Menu)
- ✓ Ecorr vs. time (Technique Menu)
- ✓ Galvanodynamic
- ✓ OCV measurement
- ✓ Zero resistance Ammeter
- ✓ Linear polarization resistance (Technique Menu)
- ✓ Rp-Ec trend
- ✓ Charge/discharge Battery test
- ✓ Electrochemical Voltage Spectroscopy (EVS)
- ✓ Galvanic Intermittent time technique (GITT)
- ✓ Electrochemical Permeation
- ✓ User defined techniques

**Virtual control panel**

- ✓ BCO (Button click operation); User can do any task with just clicking the button: *NO MENU SELECTION*
  - ✓ Easy assignment of cycle test condition file to channel with combo box selection at anytime.
  - ✓ Synchronized change function of cycle test condition file for selected multiple channels.
  - ✓ Real time dual channel (V & I) strip chart display for selected channel or for all running channels with time scrolling mode or whole window mode
  - ✓ Status bar displays channel status. Booking running channel stop function by time, cycle number, step etc.
- Max Channel Number: 8channels
  - Max. Current: 500mA (3 current ranges)