



समानो यत्नः समितिः समानी

UNIVERSITY OF NORTH BENGAL
OFFICE OF THE REGISTRAR
Accredited by NAAC with Grade A

Quotation Notice

Sealed quotations are invited from the interested vendors/suppliers for purchase of a potentiostat/galvanostat in the Department of Chemistry, University of North Bengal, Raja Rammohunpur, Darjeeling, 734013 within seven days. For details please visit at www.nbu.ac.in

Advt. No. 22 /R-2021 Dated: 07.08.2021

Registrar(Offg.)

All the quotations are to be submitted accompanying with GST & PAN photocopies, duly stamped and signed along with valid certificates as sole distributor/dealership, if applicable. For further query in this matter, please contact at 7871808189.

Technical Details:

Operating system feature: Original Software (64bit) compatible with windows 10

Potentiostat/Galvanostat:

General features-

- Applied Voltage Range: -10 V to +10 V (Upgradable to $\pm 10V$)
- Compliance Voltage: Up to +15 V
- Applied Potential Resolution: up to 150 μV
- Applied Potential Accuracy: Within 0.05% of voltage scale
- Scan Rate: 1 $\mu V/s$ to 1000 mV/s
- Maximum Current: $\pm 1A$ (Continuous)
- Current Ranges: Ranges (100 nA, 1 μA , 10 μA , 100 μA , 1 mA, 10 mA & 100 mA & 1A)
- Current Resolution: 1 nA (at 100 nA Current Range)
- Electrode Configuration: 2 Electrode & 3 Electrode
- Reference Input Impedance: > 1000 $G\Omega$
- Input Bias Current: < 10 pA
- Unity Gain Bandwidth: 5 MHz
- Control: Software Control through computer
- Communication: USB interface communication with computer
- Data overlap during run
- IR Compensation, Inbuilt Dummy Cell
- Software based charge (Q) display

Supported techniques-

- Cyclic Voltammetry
- Linear Sweep Voltammetry
- Chronoamperometry (i-t)
- Chronopotentiometry (V-t)
- Pulsed Voltammetry (SCP, NPV, DPV & SWV)
- OCP Measurement
- Tafel Analysis
- Linear Polarization
- FRA Analysis
- Charge-Discharge for supercapacitor/battery applications

Accessories:

- | | | |
|-------------------------|------------------------------|-----|
| 1. Working electrode: | GC 3mm . | 3pc |
| 2. Counter electrode: | Pt net (1cm × 1cm) | 1pc |
| 3. Reference electrode: | Ag/AgCl (aq.) | 1pc |
| | Ag/Ag ⁺ (non aq.) | 1pc |
| 4. Polishing kit: | | 1 |

Terms and Conditions: 1. The rate should be inclusive of all taxes and charges. However, rate of GST and amount should be shown separately. 1. Quotation should be valid for at least three months. 2. All payment will be made as per financial rules of the University of North Bengal. 3. The University authority reserves the right to accept or reject any/all quotation(s) without assigning any reason and shall not be bound to accept the lowest quotation. 4. Item(s) should be delivered in the Department of Chemistry, University of North Bengal.

Contact: Send the quotations to Dr. Nitish Roy, Department of Chemistry, NBU, Raja Rammohnpur, Darjeeling, WB-734013. For any query, contact via Mob: 7872808189 or Email (nitu.iitg@gmail.com).