

International Shopping

DEPARTMENT OF CIVIL ENGG

Tender for Equipment – NITT : 16/2006/TEQIP

Date : 4-10-2006

TCIVIS01-Electrochemical corrosion measuring Instrument

- Compliance Voltage: ± 15 Volts, Sweep range: ± 3 Volts
- IR compensation, Measurement resolution : 1 micro Volt
- Measurement : 21 Bit A/D
- Current range : 10pA to 2A (Eight Ranges)
- Input impedance: $> 10^{12}$ Ohms
- Impedance frequency range: 10 Micro Hz to 30kHz

Corrosion software:

Windows based, Direct corrosion rate in mpy scale, sequencer to sequence a list of experiments automatically one by one, core running for acquisition, Cyclic sweeps like CV etc, AC impedance measurement, Tafel plot, Current & Voltage Noise, Long term analysis, internal Metal Editor for automatically calculate metal factor, ASTM G 107 notebook to catalogue the experiment, metals, temperature, environment, etc. LPR {sweep/ step}, Potentiostatic, Long term {Potential/Galvanic/ LPR }