

Specification for Autolab with fuel cell Tester

Autolab

- **Current Range: $\pm 1A$ or better**
- **Compliance Voltage: 20V**
- **Applied Voltage: 10V**
- **Potentiostat Bandwidth : 1MHz or more**
- **Current Resolution: 0.003% of range**
- **Potential Resolution: 370 μ V**
- **Cell Connections : 2, 3 or 4 terminal plus ground**
- **USB interface to communicate with PC**

Fuel cell Tester

- **Manual FUELCELL Test Station Rig WITH MFC and suitable controller (power supply)**
- **H₂ Flow : Through MFC 0-100 SCCM**
- **O₂ Flow : Through MFC 0-200 SCCM**
- **Cell Heater: 0- 100 °C**
- **H₂ Humidification - 0 - 150 °C with humidification (70 to 100%) Chamber**
- **O₂ Humidification - 0 - 150 deg . C with humidification (70 to 100%) Chamber**
- **Electronic DC Load with volt and ammeter**
- **Range : 0 - 1V - 5V DC
: 0.01 A -1.999 A**
- **CELL VOLTAGE RANGE : 0.1 to 5V**
- **MAXIMUM WATTS : 5 WATTS**
- **CONTROLLER : MFC**
- **CELL TEMPERATURE : UPTO 60°C**
- **TEMPERATURE CONTROLLER :**
- **HYDROGEN HUMIDIFICATION Room temperature to 150°C
: HEATER CAPACITY - 200WATTS
: BOTTLE CAPACTY 500ML**
- **AIR HUMIDIFICATION Room temperature to 150°C
: HEATER CAPACITY - 200 WATTS
: BOTTLE CAPACTY 500ML**
- **Brand new PC with 21” Monitor with Printer**

Software Requirement

- **General Electrochemistry Techniques**
- **Impedance Spectroscopy Techniques**
- **Corrosion Techniques**
- **Energy Techniques**

Accessories Requirement

- **Ag/AgCl Electrode – 3 no**
- **Calomel Reference Electrode –3 no**
- **Glassy Carbon Working Electrode-3 no**
- **Pt Wire Counter Electrode-3 no**
- **Voltammetric Cell 100ml – 2 no**
- **H-Type 50ml cell -2 no**
- **5cm² fuel cell fixture – 2 no**

Warranty

- **03 years**

Voltage Requirements

- **Indian standard 230/440 V @ 50 Hz**

Optional

- **5 KVA UPS with 1hr backup.**