



**RESEARCH SUPPORTERS INDIA** 

**ENERGY RESEARCH TEST BENCH**

-  **FUEL CELL TEST BENCH**
-  **CUSTOM REQUIREMENT**
-  **CUSTOM SOFTWARE**



## ENERGY RESEARCH TEST BENCH (ERTB) - Features



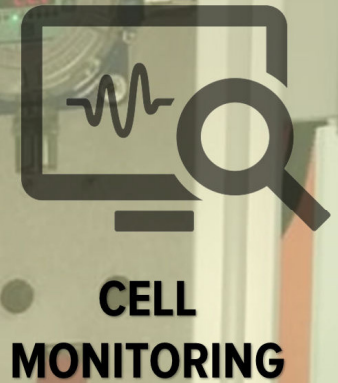
- Complete Solutions for Fuel Cell / RFB Stack Testing
- Energy Suite Software for Control and Data Acquisition
- User Adjustable Safety Features
- Multiple Flow Range Options
- Expandable With Higher Load Capacities
- Integrated HFR Measurement Feature
- Cell Voltage Monitoring ( CVM) Facility
- Temp Monitoring & Control at Desired Locations

- RSI make ENERGY RESEARCH TEST BENCH (ERTB) fully designed and made in India to meet complex research needs of the researchers.
- ERTB focussed to provide modularity in design and also complies with international standards from every aspect.
- Critical components in the system like E-Load, MFC, Peristaltic Pump , Humidifier, Sensors, Controllers are supplied from the world class manufacturer to ensure the precision & safe work environment





FUEL CELL TEST STATION



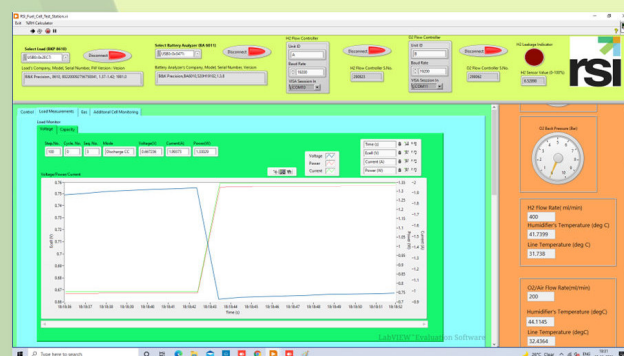
## FUELCELL TESTING TECHNICAL SPECIFICATIONS

POWER RANGE	Up To 10 KW, 1000A , 120V – Please Consult With Our Technical Team To Choose Your Right Power Range
FLOW SUPPLY	MFC AVAILABLE FOR VARIOUS FLOW RANGES FROM 0-50slpm. USER HAS CHOICE TO SELECT ACCORDING THE POWER RANGE.
GAS HUMIDIFICATION	Nafion™ tubing -based HUMIDIFIER PROVIDES consistent, repeatable humidification of air and hydrogen across the specified flow range
Temperature Control	Fuel Cell fixture end plate , Line Heaters
Safety Features	Emergency Shut-down, automatic shut down due to H2 leakage, over voltage & current protection
Dimension & Weight	890*800*1900 mm , 260 Kg approx.
Power	220-240VAC, 50Hz
Product CODE	ERTB-FC-1000

NOTE: Please consult with our technical team to meet all your customised requirements

## ENERGY SUITE SOFTWARE

- Common dash board
- Control of E-Load, MFCs, Humidification, Temps, CVM all integrated in one software
- Safety sensors , parameters are included for emergency shutdown
- Possibility of adding / modification in the SW/HW as per user requirement



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