



SS INSTRUMENTS

MANUFACTURERS OF TEST AND MEASURING EQUIPMENTS

96, 4TH CROSS, 2ND MAIN, INDUSTRIAL LANE, NEAR SAI MANDIRa, KAMAKSHIPALYA, BANGALORE 560079

APPLIANCES TEST RIG

ADVANCED TESTING & TRAINING SOLUTION FOR HOME APPLIANCES

The Appliances Test Rig is an advanced testing platform designed for technician training, appliance performance analysis, fault diagnosis, and controlled testing under varying electrical and water conditions.

The system enables simulation of real-world operating environments while continuously monitoring electrical and water parameters with real-time display and USB data logging.

Ideal for:

- Washing Machine Testing
- Dishwasher Testing
- Home Appliance Service Training
- Product Validation & Performance Analysis
- Energy Consumption Studies
- Water Flow & Pressure Analysis



KEY FEATURES

ELECTRICAL MONITORING

- Real-time monitoring of:
 - Voltage (V)
 - Current (A)
 - Frequency (Hz)
 - Power (kW)
 - Energy Consumption (kWh)

WATER PARAMETER MONITORING

- Inlet Monitoring
 - Flow Rate (L/min)
 - Pressure (bar)
 - Temperature (°C)
- Outlet Monitoring
 - Flow Rate (L/min)
 - Temperature (°C)

- Custom-Built Special Purpose Machine
- Accuracy
- Reliability
- Productivity



CONTROL FUNCTIONS

- Variable Voltage Adjustment
- Adjustable Water Pressure Control
- Real-Time HMI Display
- USB Data Logging
- Separate Test File Creation
- Energy Reset Function
- Excel Compatible Data Export

SAFETY & PROTECTION

- RCCB Protection for Load Safety
- MCB Protection for Panel Safety
- Emergency Stop Function
- Proper Earthing Protection
- Industrial Grade Electrical Components

APPLICATIONS

- Appliance Service Centers
- R&D Testing Labs
- Technician Training Institutes
- Quality Testing Departments
- Manufacturing Validation Testing

ADVANTAGES

- Simulates Real Operating Conditions
- Supports Low & High Voltage Testing
- Water Pressure Variation Testing
- Helps in Fault Diagnosis
- Enables Comparative Product Testing
- Improves Technician Training Efficiency
- Modern HMI-Based User Interface
- USB Data Storage for Analysis & Reporting

Contact Information

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