

IF YOU
MEASURE IT,
YOU CAN
CONTROL IT.



A Company Founded by
Alumnus of IIT, Bombay.



FULLY AUTOMATED ROUTINE (NO LOAD) TEST SYSTEM FOR MOTOR

www.aarohies.com

Brand Promise



CC-3104
NABL Accredited

A Company Founded by **Alumnus of IIT, Bombay**

FULLY AUTOMATED ROUTINE (NO LOAD) TEST SYSTEM FOR MOTOR



The "AAROHI" make Fully Automated Motor Routine Test System is engineered for precise, automated no-load motor testing, covering essential assessments such as winding resistance, high voltage, insulation resistance, locked rotor, and reduced voltage tests. Built to ensure comprehensive motor validation, this system delivers robust performance with ease of use and minimal intervention, ideal for a wide range of industrial applications.

Specification

Parameter	Description
Voltage Range	up to 700 V
Current Range	60 amp standard. (The higher side is also available as per requirement)
RPM Measurement	Up to 9999 RPM
Resistance	0.01 to 2000 ohms.
High Voltage Range	Up to 5 k V/ 250 mA
Insulation Resistance	500 Vdv/ 1000 Mohms.



Test Covered

- Winding resistance test
- (UV, VW, WU) (Ambient temperature measurement with temp. correction available)
Entry of line & phase resistance selection available in master data.
- High voltage test.
- Insulation resistance test.
- Locked rotor test (at rated current)
- There is no load test at the rated voltage. (Motor will start at lower voltage to reduce starting high current & jerk)
- Reduced voltage test at $1/\sqrt{3}$ of rated voltage in both directions.

Features

- Perform all routine tests without changing connections.
- During test weather, motor passes, or fail, decisions taken by the panel based on tolerances entered.
- Provision given to change sequence of tests as per requirement.
- Provision has been made to automate the lock rotor test as well.
- A provision is also made for measurement of the direction of the shaft during the no lot test.
- Temperature correction facility is provided during resistance measurement.
- A facility is provided to gradually increase the voltage in each rotating test to avoid jerking of the motor.
- Master Data Import/ Export option is provided.
- User management provides to prevent unauthorised use.
- Various types of report generation facilities are provided.
- Integration of QR code is possible.
- Facilities to measure the direction of the motor shaft are also available during no load test.

Features

- Enhancement of productivity and work efficiency.
- Reduces the need for skill operators.
- Reduces human error & efforts because of automation of test process & automated data acquisition with verification.
- Provide traceability of each & every tested data of motor with manipulation.
- Provision to integrate stator & rotor data.
- User-friendly GUI.
- Possible to integrate data with SAP or ERP.
- Automated incremental Sr. No. Mode available.
- Multiple report formats are available.
- Test covered as per IEC/ IS Standard.

AaroHi Embedded Systems Pvt. Ltd.

Plot No. G-(1004-8)A, Kishan Gate No-3, Nr. Durga Weigh Bridge, GIDC Metoda, Gujarat (India) - 360021.

P: 02827 297280 | M: +91 95129 99942

Follow us on



E : info@aarahies.com

W : www.aarahies.com

