



Model: EW-188



Accurate Insulation Testing for Enameled Wires

What is Enameled Wire?

This is a copper or aluminium conductor coated with a thin layer of insulating enamel. Commonly known as Enamel wire, it is widely used in electrical windings for applications such as motors, transformers, coils, relays, and inductors. Weak or damaged enamel insulation can lead to short circuits, overheating, and eventual winding or equipment failure.

What EW-188 Helps You Do

- · Check if enamel coating is strong
- Predict motor/transformer performance
- Prevent insulation failure
- Meet national/international QC standards
- Reduce field returns or rejections

Features

Digital Display

Shows Tan Delta and temperature readings clearly for immediate analysis.

Auto Balance Function

Reduces manual intervention and ensures fast, accurate setup.

Automatic Curve Plotting

Automatically generates a graph of Tan Delta vs. temperature, simplifying result interpretation.

Temperature Control (Ambient to 300°C)

Simulates real-world stress conditions for enamel coating.

USB Interface for PC

Enables easy transfer of results and report generation for record-keeping and analysis.

Compact & Rugged Industrial Design

Suitable for both laboratory and shop floor environments; built for long-term durability.

Applications & Industries Served

Wire & Cable Manufacturing Units

For batch-wise testing of enamel coating on copper or aluminum wires before dispatch.

Motor Manufacturing Industry

To ensure the winding wires meet insulation quality before assembly in stators/rotors.

Generator, Alternator & Inverter Manufacturers

To verify insulation behaviour of wires used in high-speed/high-heat applications.

Transformer Manufacturers

For validating coil wires' insulation reliability during quality control.

Electrical Equipment OEMs

To test the reliability of winding wires used in appliances like compressors, fans, pumps, etc.

Repair & Maintenance Departments for Winding

For checking quality of reused or replaced winding wires during rewinding.

R&D Centers & Electrical Testing Institutions

For educational demonstrations, comparative material analysis, and prototype testing.

Government & Private Quality Control Labs

To conduct standard-compliant insulation loss testing and prepare reports for third-party validation.

Key Benefits

- Non-destructive insulation test
- Easy to operate (technical or non-technical users)
- Improves product quality & reduces failures
- Fast, reliable, repeatable results
- Supports QC, R&D, and process control

Explore how EW-188 can simplify your wire insulation testing. Contact us today!

Testing Solutions from Sivananda Electronics

TEST & MEASURING INSTRUMENTS



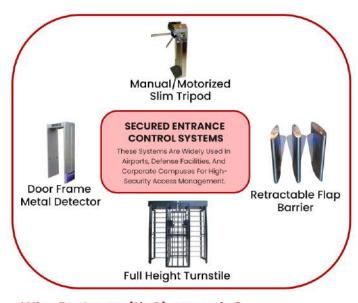
Our Range Of Test and Measuring Equipment Ensures Accuracy, Safety and Reliability











MOTOR & WINDING INDUSTRIES

- Resistance and Surge Comparison Testing





INDUSTRIAL METAL DETECTORS

Trusted In Pharmaceutical, Food, Textile, Cement, Rubber And Plastics Industries To Maintain Product Quality And Comply With Safety Regulations.

- Food Metal Detector
 Tablet Metal Detector
 - Industrial Metal Detector









Why Partner with Sivananda?

Resistance Meter

- 55+ Years Of Trust In Testing And Security Solutions
- Installed Base Across Multiple Industries Worldwide
- Reliable Design, Long-Term Durability And Strong After-Sales Support

SIVANANDA ELECTRONICS





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