



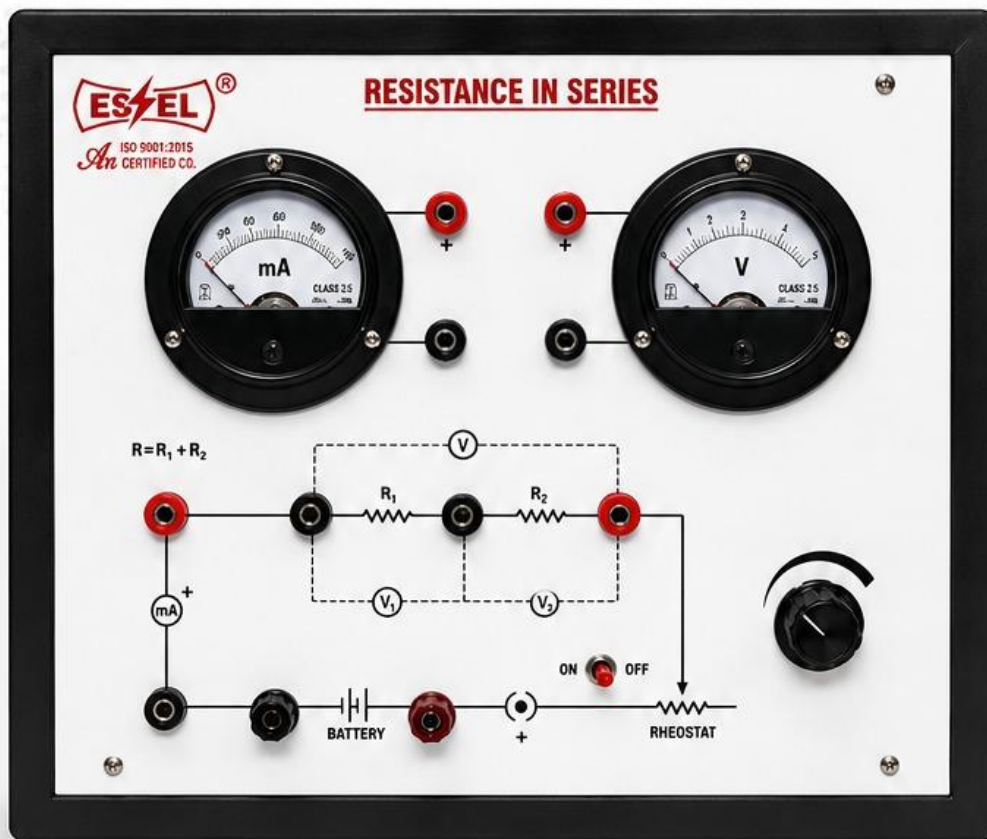
ISO 9001:2015
CERTIFIED CO.

RESISTANCE IN SERIES

A COMPACT & RELIABLE TRAINING SYSTEM
FOR ELECTRICAL LAB EXPERIMENTS

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COMPANY



Ideal for
Electrical Lab
Experiments



Analog Meters for
Accurate Readings



Series Resistance
Study Made Easy



Durable, Rugged
& Reliable Design



Essential for
Engineering &
Polytechnic Labs

PRODUCT OVERVIEW

The Resistance in Series training panel is designed to help students understand the concept of resistances in series. It allows measurement of current and voltage across individual resistors and verifies the relation $R = R_1 + R_2$.

Built with high quality components, this panel ensures accurate results, durability and safe operation in educational environments.

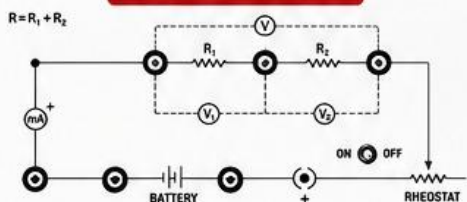
KEY FEATURES

- ✓ Study of resistances in series
- ✓ Clear and easy to understand circuit diagram
- ✓ Analog Ammeter (0–100mA) & Voltmeter (0–5V)
- ✓ Measurement of voltage across each resistor and total voltage
- ✓ High quality components for accurate and reliable results
- ✓ Rheostat for varying current
- ✓ Safe & user friendly design
- ✓ Ideal for Engineering & Polytechnic Labs

SPECIFICATIONS

Product Name	Resistance in Series
DC Power Supply	Battery (Internal)
Ammeter	0 – 100mA DC (Analog)
Voltmeter	0 – 5V DC (Analog)
Resistors	R_1 , R_2 (High precision)
Rheostat	Variable
Connections	4mm Banana Sockets
Switch	ON / OFF
Enclosure	Metal Body with Powder Coated Finish
Dimension	Approx. 300 x 230 x 100 mm
Weight	Approx. 2.5 – 3.0 kg

CIRCUIT DIAGRAM



EXPERIMENT OBJECTIVE

- ✓ To verify that the total resistance in series is equal to the sum of individual resistances.
- ✓ To measure voltage across each resistor and total voltage.
- ✓ To study the behavior of current and voltage in series circuit.



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High Quality
Components



Easy to Use
& Maintain



Rugged &
Durable



Ideal for
Labs & Training

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