METER BRIDGE (Wheatstone Bridge)

Code: AL-PY218 HSN: 9027 GST: 18% Brand: AVAIN LABS







AVAIN LABS® METER BRIDGE (Wheatstone Bridge)

The AVAIN LABS® Meter Bridge (Wheatstone Bridge) is a precision educational physics laboratory apparatus designed to demonstrate the principles of electrical resistance and the Wheatstone bridge circuit. It is ideal for school and college physics laboratories, electrical science experiments, and practical demonstrations involving resistance measurement.

The meter bridge provides a simple and effective way for students to understand the relationship between resistance, potential difference, and current. Using the balance point principle, students can investigate unknown resistance and verify the fundamental laws of electrical circuits through hands-on experimentation.

Key Features

- Designed for Wheatstone bridge and meter bridge experiments
- Suitable for measuring and comparing electrical resistance
- Helps demonstrate the principle of a balanced Wheatstone bridge
- Ideal for school, college, and university physics laboratories
- Useful for practical demonstrations of electrical circuits
- Supports hands-on learning of resistance and electrical measurements
- Suitable for physics practical examinations and laboratory instruction
- Sturdy construction for regular educational laboratory use

Applications

The AVAIN LABS® Meter Bridge is suitable for experiments involving:

- Wheatstone bridge principle
- Measurement of unknown resistance
- Comparison of electrical resistance
- Resistance of wire experiments
- Verification of electrical circuit principles
- Meter bridge balance point experiments
- Physics laboratory practicals
- Electrical science demonstrations

Educational Use

This meter bridge apparatus helps students understand how a Wheatstone bridge works and how the balance point is used to determine electrical resistance. It is an essential instrument for practical physics education, supporting experiments in electricity, resistance, and circuit analysis.

Ideal For

The AVAIN LABS® METER BRIDGE (WHEATSTONE BRIDGE) is ideal for school science laboratories, college physics departments, universities, educational institutions, and laboratory equipment suppliers looking for reliable apparatus for electrical resistance experiments.

Choose AVAIN LABS® Meter Bridge for practical demonstrations of electrical resistance and Wheatstone bridge principles in the physics laboratory.

Available models

Available models (5)

Cat. No.	Model / Size	HSN
AL-PY218-1	With Pencil Jockey (Sunmica base)	9027
AL-PY218-2	With Pencil Jockey (Teak Wood Base)	9027
AL-PY218-3	With Spring Jockey (Sunmica Base)	9027
AL-PY218-4	With Spring Jockey (Teak Wood Base)	9027
AL-PY218-5	Meter Bridge With Pencil Jockey (on board)	90

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