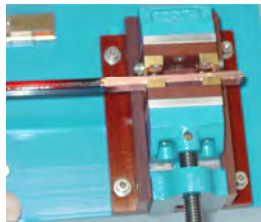


Wires with optional tension weights for fine wires



Rectangular wire mounted in 4 wire Kelvin clamp

**Features:**

- NEMA, ASTM, IEC, and JIS Specifications
- Kelvin connections on the wire mounting clamps
- Universal Temperature Compensator
- Test Magnet Wire Sizes:  
0.05 mm to 2 mm (44 AWG to 12 AWG)  
Large round wires up to 6 mm  
Rectangular wires up to 6 mm x 12 mm
- 120 VAC / 0.25 Amps at 60 Hz  
240 VAC 0.125 Amps at 50 Hz



Resistance Bridge display

The Nova 1900 Magnet Wire Resistance Tester determines the electrical resistance of magnet wire and bare wire per NEMA, ASTM, IEC, and JIS specifications. The resistance test is also used to determine the diameter of fine wires. The Nova 1900 wire mounting fixture tests a 1-meter wire specimen. The wire holding clamps are wired with 4 wire Kelvin connections for accuracy. The resistance bridge is equipped with a universal temperature compensator. The universal temperature compensator can be programmed for a variety of materials such as copper or aluminium. For test data consistency, the Nova 1900 is equipped to use tension weights (optional) for fine wires. This feature helps prevent stretching of fine wires during wire mounting. Stretching of fine wires can reduce the diameter and results in increase of the resistance measurements.

The Nova 1900 Resistance Tester Bridge has 6 measuring ranges from 20 milliohm to 2 K-ohms with a 1 micro-ohms resolution on the 20 milli-ohm range. The bridge accuracy is 0.1%.

**Dimensions:** 120 cm W x 20 cm D x 20 cm H

Design and specifications subject to change without prior notification

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