



**Features:**

- Meets NEMA or IEC and JIS specifications
- N.I.S.T traceability
- Elongation up to 60%
- Adjustable % elongation up to 60%
- Wire holding post and clamps accommodates a wide range of wire sizes:
  - 12 AWG – 1/4" diameter
  - Rectangular wire up to 0.25"x0.5" or 0.125 sq. inches (2 mm – 6 mm diameter)
  - (Rectangular wire up to 6 mm x 12 mm or 72 sq. mm)
  - Maximum test load is 6,000 lbf (27 KN).
- 120 VAC / 5 amps at 50/60 Hz
- 240 VAC / 2.5 amps at 50/60 Hz

The Nova 160 Magnet Wire Elongation Tester performs the elongation test according to NEMA or IEC and JIS specifications. The tester can be calibrated traceable to N.I.S.T. The elongation tester elongates a specimen of annealed magnet wire with a test length of 10 inches (25.4 cm) to a predetermined % elongation up to 60% or to failure. The maximum elongation is 60 %. A laser engraved scale is used to indicate the percent elongation. The tester can test wire sizes 12 AWG – 0.25 inches diameter and rectangular wire up to 0.25"x0.5" or 0.125 sq. inches (2 mm – 6 mm diameter and rectangular wire up to 6 mm x 12 mm or 72 sq. mm). The maximum test load is 6,000 lbf (27 KN). Ball screw and linear guide assembly together with reliable electronics in a totally enclosed chassis provide a sturdy and reliable test platform.

**Dimensions:**

21"W x 18"D x 44" H  
53 cm W x 46 cm D x 112 cm H

**Other Elongation Tester Models Available:**

Nova 112 — 44 AWG - 12 AWG (0.05 mm – 2 mm)  
Nova 120 — 44 AWG - 8 AWG (0.05 mm – 3.15 mm)  
Nova 130 — 18 AWG - 6 AWG (1 mm – 4 mm)  
Nova 150 — 12 AWG – 1/4" dia. and rectangular wire up to 0.25"x0.25" or 0.0625 sq. inches  
(2 mm – 6 mm dia. and rectangular wire up to 6 mm x 6 mm or 36 sq. mm)  
Nova 170 — 12 AWG – 0.3" dia. and rectangular wire up to 0.4"x0.7" or 0.28 sq. inches  
(2 mm – 7.5 mm dia. and rectangular wire up to 10 mm x 18 mm or 180 sq. mm)

Design and specifications subject to change without prior notification

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