



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 annealed wire sizes:
12 AWG – ¼” diameter
Rectangular wire up to 0.4”x0.7” or 0.28 sq. inches
(2 mm – 6 mm diameter)
(Rectangular wire up to 10 mm x 18 mm or 180 sq. mm)
Maximum test load is 11,000 lbf (50 KN).
- 120 VAC / 6 amps at 50/60 Hz
240 VAC / 3 amps at 50/60 Hz

The Nova 170 Magnet Wire Elongation Tester performs the elongation test according to NEMA, or IEC and JIS specifications. The tester can be calibrated traceable to NIST. 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 annealed wire sizes 12 AWG – 0.25” diameter and rectangular wire up to 0.4”x0.7” or 0.28 sq. inches (2 mm – 6 mm dia. and rectangular wire up to 10 mm x 18 mm or 180 sq. mm). The maximum test load is 11,000 lbf (50 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 – ¼” 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 10 mm x 18 mm or 180 sq. mm)
 Nova 160 — 12 AWG – ¼” dia. and rectangular wire up to 0.25”x0.5” or 0.125 sq. inches
 (2 mm – 6 mm dia. and rectangular wire up to 6 mm x 12 mm or 72 sq. mm)

Design and specifications subject to change without prior notification

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