



Ampac International, Inc.

Quality People, Quality Products

QUALITY MAGNET WIRE TESTERS

Cat.No.:06-03-N2000

Web Site: <http://www.ampac-intl.com>

NOVA 2000 Windability Tester

Features:

Selectable Test Voltage:
500V DC, 1000V DC, 1500V DC
Standard Test Mode or
Selectable Stroke Count
(up to 10 strokes)
Fault Circuit Sensibility Check
120 VAC 3.0 AMP or
240 VAC 1.5 AMP

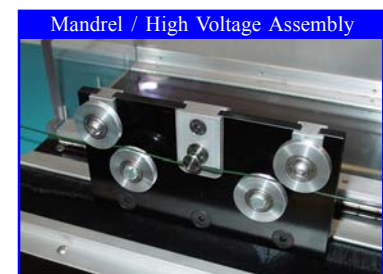
Test Magnet Wire Sizes:
12 AWG to 30 AWG
(0.25mm to 2.0mm)



The NOVA 2000 Windability Tester performs a unique toughness test on magnet wire. The magnet wire is anchored between two directional wire mounting clamps under tension. The wire between the two clamps is wrapped around a mandrel. The mandrel is located between two sets of high voltage sheaves. When the test starts, the mandrel/high voltage sheaves assembly moves from one end of the tester to the opposite end repeatedly until the wire sample fails. The wire wrapped around the mandrel is stretched and the cross section (diameter) of the wire decreases. As the test progresses, the insulation experiences abrasion, elongation, and adhesion failure. When the insulation fails, the high voltage applied will allow the fault detection circuit to detect faults. When three faults are detected, the number of strokes are counted. Low stroke count indicates the enamel is not well cured or over-cured, and of poor toughness. High strokes count indicates well cured insulation with good toughness, abrasion resistance, flexibility, lubricity, and adhesion.

Dimensions:

(163 cm **W** x 46 cm **D** x 30 cm **H**)
(64" **W** x 18" **D** x 12" **H**)



Note: Design and Specifications Subject To Change Without Prior Notice.



Designed and Manufactured in USA.
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