



**Ampac International, Inc.**

Quality People, Quality Products

QUALITY MAGNET WIRE TESTERS

Cat.No.:06-03-N1001

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

## NOVA 1001 Thermoplastic Cut -Through Tester



### Features:

- User-Friendly
- RS-232 output
- Test Single Specimen
- Interchangeable Test Weights
- Meets IEC, JIS Crossing Method and NEMA Specifications
- Temperature Ramp (2°C/Min. & 5°C/Min.)
- Variable Specimen Test Voltages:
  - 12-120 VAC
  - Temperature: Ambient to 450° C
  - 120 VAC / 30 AMP or
  - 240 VAC / 15 AMP

- Test Wire Sizes:
  - 8 AWG - 52 AWG
  - (0.02mm to 3.15mm)

The NOVA 1001 Thermoplastic Cut-Through Tester meets the IEC, JIS C3003\* and the NEMA-MW1000 specifications. The Nova 1001 is specifically designed to perform the IEC cut-through test and can also be used to perform the NEMA and JIS test. The tester determines the magnet wire insulation capacity to resist thermoplastic flow (softening) under the influence of temperature, load (pressure), and time. The NOVA 1001 is designed with the heating unit mounted on top of the controller.

The microprocessor-based controller controls the temperature of the oven and monitors for specimen failure. The controller is equipped with a single board computer, 16 line x 20 character LCD backlighted display, keypad input, digital temperature monitor, function switches, and RS-232 output port. The specimen test voltages could be set at 12 volts AC to 120 volts AC. In the JIS and NEMA test mode, the test temperature rate of rise can be set at 2°C or 5°C per minute. The start ramp temperature and stop test temperature are programmable from the keypad.

The specimen heating unit is constructed of brass and chassis of high grade aluminum. The standard unit test single specimen with precise heating. It also has interchangeable test weights, and interchangeable test load head. A cooling fan is position next to the heating block to cool it at the end of the test. The Nova 1001 will test round magnet wire sizes (0.02 - 3.15mm).

### Dimension:

53 cm **W** x 36 cm **D** x 46 cm **H**  
(21" W x 14" D x 18" H)

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



Designed and Manufactured in USA.  
(C) Copyright 2006. Ampac International, Inc.

**Ampac International, Inc.**

1118 Cedar Street, Fort Wayne, Indiana 46803-1232 U.S.A.

Phone: (260) 424-2964 / Fax: (260) 423-3556

E-Mail: [ampac-intl@msn.com](mailto:ampac-intl@msn.com)

LA2006-N1001