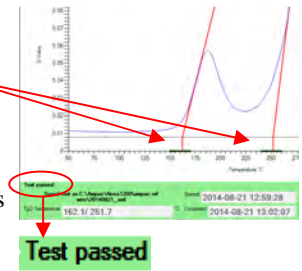


Tangent Delta curve (Pass/Fail for Multi Tangent activated)

## Nova 1200 Tangent Delta Tester

### Features:

- Meets IEC EN 60851-5 specification
- Desktop PC or Notebook/Laptop PC operated
- Remote access support
- Multi-Language capability
- TgD-Temperature curve test temperature range ;  
Nova 1200 - - - 30°C (room temperature) to 350°C  
Nova 1200-ET - - - 30°C (room temperature) to 400°C
- Calibration Program for D-value and Temperature
- High accuracy temperature and Loss Factor
- Test Functions: Linear, Danfoss, DF, 5°C/m Heat Rate
- Sample Holders for Round, Flat, or Ribbon wire
- Wire size range: Round wires 0.05 mm to 6 mm dia.  
Ribbon and Flat wires up to 8x20 mm
- Reference curve
- Multiple curves comparison
- Pass/Fail (multi Tangent)
- Manual tangent drawing tools
- Show Guide ( °C vs. D-value )
- Residue Solvent Guide
- Test Library for test parameters
- XML data file format
- Test report



The **Nova 1200 Tangent Delta (TgD) Tester** is a “New Generation” of TgD Tester of high quality at an affordable price. It uses Graphite (conductor) over magnet wire insulation and measures TgD value of film insulated magnet wire.

The innovative design (direct heating of the test specimen and accurate temperature measurement) produce accurate TgD-Temperature curve. The test data from the curve indicate the degree of cure, residual solvent, and moisture absorption of the magnet wire insulation. These information are the essential properties of the TgD test that can help optimize magnet wire quality, production out-put and product documentation.

The Nova 1200 software is full of useful features and designed to work with the Microsoft Windows Operating System. Microsoft Windows Language Translation is available to translate the text in the displayed screen programs.

### 1. Nova 1200 has been designed with the following criteria:

- User Friendly
- Quality / Reliability / Repeatability
- Low operating and maintenance cost
- Excellent “Return On Investment”
- Accurate and repeatable test data

### 2. Fast measuring time:

1.5 to 3 minutes for wire sizes 0.05 to 2 mm and enamel type

### 3. Easy to Operate

Three simple operations and the test are under way.

- Place the sample holder in the Sliding Arm and slide it into the test compartment.
- Close the heater block onto the wire sample.
- Start the test.

From here on, the Nova 1200 has a fully automatic test sequence, curve presentation, and data storage.

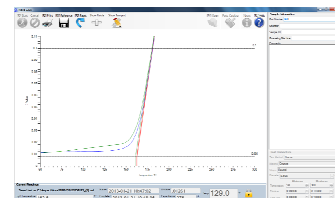
### 4. Data Storage

The test data are saved in an XML file format and can be transferred to memory storage device or exported directly through the LAN.

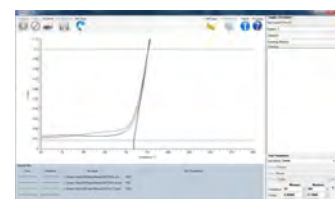
### 5. Application location

Test laboratory and production line.

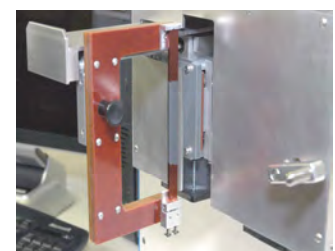
Reference Curve



Multiple Tangent Delta curves for comparison



Sample Holder in Sliding Carrier of Test Oven



**Power:** 120 Vac, 10 amps, 60 Hz or 240 Vac, 5 amps, 50 Hz

**Dimensions:** 18”W x 24”D x 20”H (46x61x51)cm