

Nova 913 Dynamic & Incline Plane Static Coefficient of Friction Tester



Features:

Dynamic CoF;

- Meets NEMA and IEC Specifications
- High Precision Load Cell
- Precision Linear Bearings
- LCD display for test data
- RS-232 Output
- Wire Straightening/Handling Systems
- Test wire sizes 0.05 mm to 2.0 mm

Static CoF (Incline Plane Method);

- Meets IEC Specifications
- Motorized Incline Platform
- Wire Tensioning Mechanism on the incline platform and sliding block
- Test wire sizes 0.05 mm to 2.0 mm
- Tangent θ scale from 0° to 30°

The Nova 913 Dynamic and Incline Plane Static Coefficient of Friction Tester perform the dynamic coefficient of friction (CoF) test according to the NEMA and IEC specification and the static CoF according to the IEC Incline Plane Method. This modular tester has both the dynamic CoF test system and the static CoF test system built into one chassis.

For the Dynamic CoF, test data such as Average CoF, Minimum CoF, Maximum CoF, and Standard Deviation are displayed on the LCD screen for the Dynamic Friction test function. The dynamic CoF test system has magnet wire tensioning and a wire straightening feature that ensures stable test data.

For the Static CoF, the incline plane platform automatically increases in the incline angle until the sliding block starts to move. When the sliding block moved, it activates the optical sensor and stops the platform. The slip angle in tangent θ is shown on the slip angle scale from 0° to 30°. The tangent θ (static coefficient of friction value) is shown on the scale. The wire samples on the incline platform and the sliding block (for wire sizes 0.15 mm to 2 mm) are straightened to maximize accuracy and repeatability of the test's data.

The coefficient of friction value is an indication of the magnet wire insulation lubricity. The lubricity of the insulation affects the spooling and windability of magnet wire into coils and its subsequent assembly into the finished products.

Dimension:

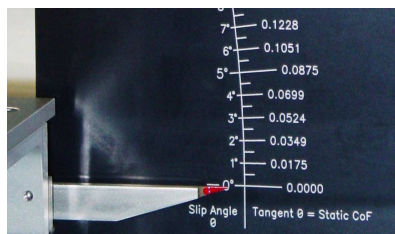
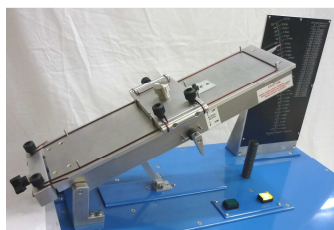
44" W x 20" D x 24" H (112 cm W x 50 cm D x 61 cm H)

Other Model Available:

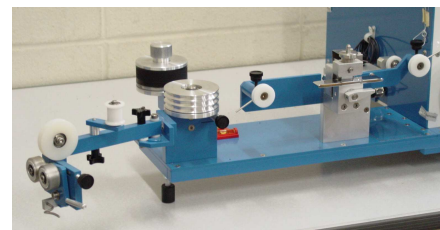
Nova 900 Dynamic Coefficient of Friction Tester

Nova 915 Dynamic and Static (Maximum Force Principle) CoF Tester

Incline Plane Static CoF Test system



Dynamic CoF Test system Assembly



Design and specifications subject to change without prior notification

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