



Nova 310

Features

- Sturdy Construction
- Reliable Operation
- Safety Polycarbonate Shield
- 5% to 50% Elongation
- Speed Measurement / Display (under load)
- 60 PSI to 90 PSI Supply Air Pressure
- Test Magnet Wire Sizes: 30 AWG to 12 AWG (0.25mm to 2 mm)

The **Nova 300 Pneumatic Snap Elongation Tester** performs the “Sudden jerk” elongation test to NEMA or IEC and JIS specifications. The tester uses compressed air to push the piston and “snap elongate” the 10-inch (25.4cm) long wire specimen to the desired percent elongation at 12-16 feet/second (3.66 m/sec to 4.88 m/sec). The test determines the adhesion characteristics of the magnet wire insulation to the conductor. The percent elongation is easily adjustable from 5% to 50% at 1% increments. The moving jaw is set to the desired ‘snap elongation’ speed through the valve assembly. The valve assembly ensures a consistent and repeatable test. A series of pneumatic valves and a polycarbonate safety shield protects the operator.

The **Nova 310 Pneumatic Snap Elongation Tester with Speed Display Module** is the Nova 300 with the addition of the Nova 305 Speed Display Module. The speed display module will indicate the speed of the snap elongation (sudden jerk) in ft/sec or m/sec. The speed is measured with the wire specimen under test. The speed display module allows the operator to more precisely fine-tune the test speed with respect to the wire size by adjusting the air pressure supply.

Dimensions:

30” W x 12” D x 9” H
(76 cm W x 30 cm D x 23 cm H)



Nova 305
Speed Display Module

Design and specifications subject to change without prior notification

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Designed and manufactured in the USA
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