BITUMEN

Cleveland Open Cup Flash Point Tester

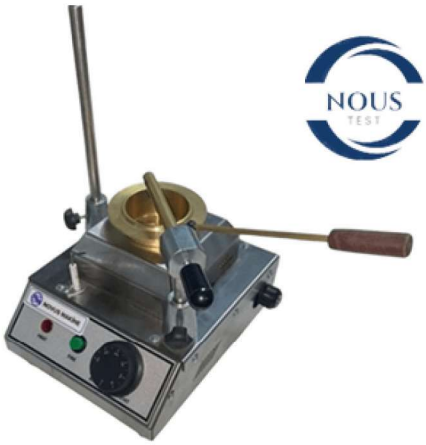
PRODUT CODE

NT-B0531 Cleveland Open Cup Flash Point Tester

STANDARDS

AASHTO T48, ASTM D92, EN ISO 2592, EN 22592

SPECIFICATIONS



The Open Cup Flash Point Tester is designed to accurately measure the flash and fire points of petroleum products in bitumen and asphalt testing laboratories, the fuel and oil industry, R&D laboratories, universities, and technical training institutions. Operating according to the Cleveland Open Cup Method, this device provides high safety and precision, particularly in testing bitumen, oil, and other flammable liquid products.

The device is equipped with a brass test cup mounted on a temperature-controlled electric heater, a glass thermometer, and a double-wire fuse system in accordance with CE standards.

Supplied Contents

1x Cleveland Open Cup Flash Point Tester
1x Brass Cup
1x Thermometer IP28C (-6°C to +400°C)
1x Electric Heater (Rheostat-controlled)
1x Thermometer Holder

Technical Specifications

Temperature Range	-6°C to +400°C
Heater	Electric, with temperature control system
Container Material	Brass
Compliance with Standards	ASTM D92, EN 22592, ISO 2592 etc..
Thermometer	IP28C (-6°C / +400°C)
Security	Double line fuse
Hot plate and control unit	Rheostat Controlled
Thermometer Holder	Adjustable

BITUMEN

Cleveland Open Cup Flash Point Tester

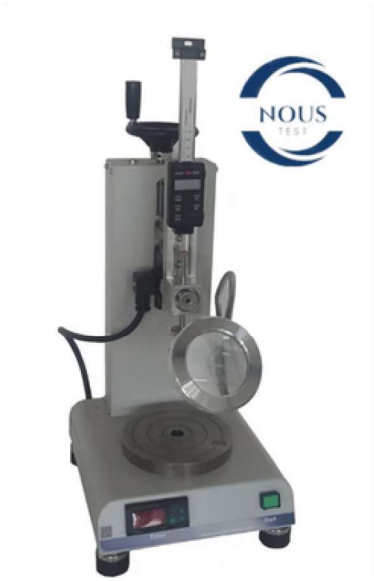
PRODUCT CODE

NT-B0210 Semi-Automatic Digital Bitumen Penetrometer
NT-B0212 Penetrometer needle 2,5 gr.
NT-GC0525/S Sample Cup Ø 55×35 mm, stainless steel

STANDARDS

AASHTO T48, ASTM D92, EN ISO 2592, EN 22592

SPECIFICATIONS



The Semi-Automatic Digital Bitumen Penetrometer is a high-precision laboratory testing instrument used to determine the penetration value of bituminous samples under constant load, time, and temperature. This instrument is widely used in road construction and quality control laboratories for penetration testing (of asphalt and bitumen), as well as material consistency and conformity analysis. Its modern semi-automatic features provide user convenience and accuracy.

The device consists of a mechanism mounted on a steel base plate, equipped with a spirit level, adjustable foot screws, a digital display with a resolution of 0.01 mm, a digital counter that provides adjustable and controlled needle drop between 0-99 seconds, an illumination system and a magnifying glass, and an electromagnetic piston release system.

The device is supplied with the following:

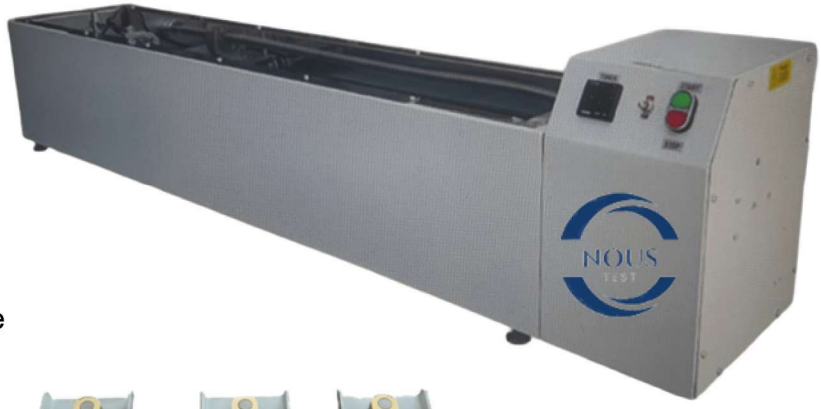
Penetration Needle (2.5g) – 1
Transfer Container
Sample Cup (Ø 55×35 mm, stainless steel) – 3 pcs.
50g and 100g weights
Needle holder and measuring device

BITUMEN

Ductility Tester/ Ductilometer

PRODUCT CODE

NT-B0041 Ductility test device/Ductilometer
NT-B0051 Ductility test device/Ductilometer, with built -in cooling unit
NT-B0042A Ductility Briquette Mould ASTM D113, AASHTO T51
NT-B0043A Ductility Briquette Mould ASTM D6084, AASHTO T300
NT-B0044E Ductility Briquette Mould EN 13398
NT-B0044 Ductility Mould base plate for one mould



STANDARDS

ASTM D113, ASTM D6084, AASHTO T51, AASHTO T300, EN 13398

SPECIFICATIONS

Ductility testers, developed to measure the ductility and elongation before rupture of bituminous materials by pulling them at a constant speed of 50 mm/min in a laboratory environment, are used in quality control tests on asphalt, bitumen and semi-solid materials.

Ductility device has the capacity to test three samples at the same time. The test bath is made of stainless steel and features a built-in heater and water circulation system for a temperature of 25°C. The extension capacity is 1500 mm.

The NT-B0051 refrigerated model features a built-in cooling system, providing more stable temperature control. It is also an ideal choice for laboratories where temperature control is not available.

Note: Ductility Briquette molds and base plates must be ordered separately. Each device requires three molds and three base plates to meet the test standards.

Application areas:
Asphalt production facilities
Road engineering laboratories
Bitumen and modified bitumen quality control tests
Research and development centers

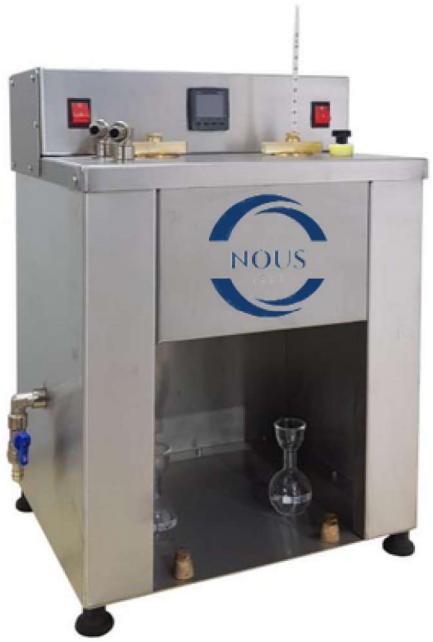
ADDRESS:Ivedik OSB. 1462. Sk. No:24, 06374 Ivedik Osb Yenimahalle - Ankara / Türkiye
www.noustest.com

BITUMEN

Digital Saybolt Viscosity Test Device

PRODUCT CODE

NT-B0031 Digital Saybolt Viscosity Test Device, 2 tubes
NT-B0032 Saybolt viscosity flask 60 ml
NT-B0033 Saybolt Filter Funnel
NT-B0034 Saybolt withdrawal tube
NT-B0035 Saybolt Thermometer Set (Consists of 6 pcs. thermometer)
ASTM 17C (19 – 27°C), ASTM 18C (34 – 42°C), ASTM 19C (49 – 57°C), ASTM 20C (57 – 65°C), ASTM 21C (79 – 87°C), ASTM 22C (95 – 103°C)



STANDARDS

AASHTO T72, ASTM D88

SPECIFICATIONS

The Saybolt Two-Tube Digital Viscometer is a digitally controlled laboratory instrument developed for measuring the viscosity of petroleum products at specific temperatures (21°C to 99°C) using the Saybolt method. The instrument is available with "Universal" and "Furol" orifices and complies with ASTM D88 and AASHTO T72 standards for empirical viscosity measurements.

The Saybolt method is performed by measuring the time in seconds that a 60 ml sample flows through a tube (orifice) of a specific diameter. This model, with its two-tube capacity, allows multiple tests to be performed simultaneously, thus saving time and improving test efficiency.

The device has a stainless steel housing. It consists of a digitally thermostatically controlled electric heater, an integrated coil cooling system, a dual-thermostat overheat protection system, and an automatic stirrer to ensure uniform heat distribution.
The device includes two Universal Orifices, two Furol Orifices, two thermometer holders, two wrenches, and plastic hoses.

The following items must be ordered separately:
The Thermometer Set, consisting of six thermometers, a draw tube, a filter funnel, and 60 ml glass bottles, must be ordered separately.

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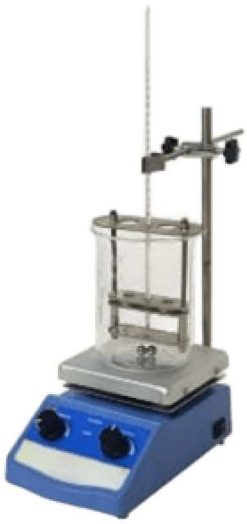
BITUMEN

Softening Point Determination
Ring & Ball Apparatus

PRODUCT CODE

NT-B0320A Ring And Ball Apparatus, ASTM
NT-B0320E Ring And Ball Apparatus, EN
NT-D0140 Hot plate with magnetic stirrer



STANDARDS

AASHTO T53, ASTM D36, EN 1427

SPECIFICATIONS

The softening point determination apparatus is a laboratory testing device that complies with international standards and is used to determine the softening point of bituminous materials. It is the ideal solution for measuring the strength of bitumen that softens when the temperature increases.

The manual model comes with a glass beaker, stainless steel frame, two conical rings, two steel balls 9,5mm dia, ball centering devices, and a temperature gauge (-2°C ~ +80°C non mercury). It is frequently preferred for laboratory testing because it is both economical and reliable.

NT-D0140 Hot plate with magnetic stirrer needs to be ordered seperately**.**

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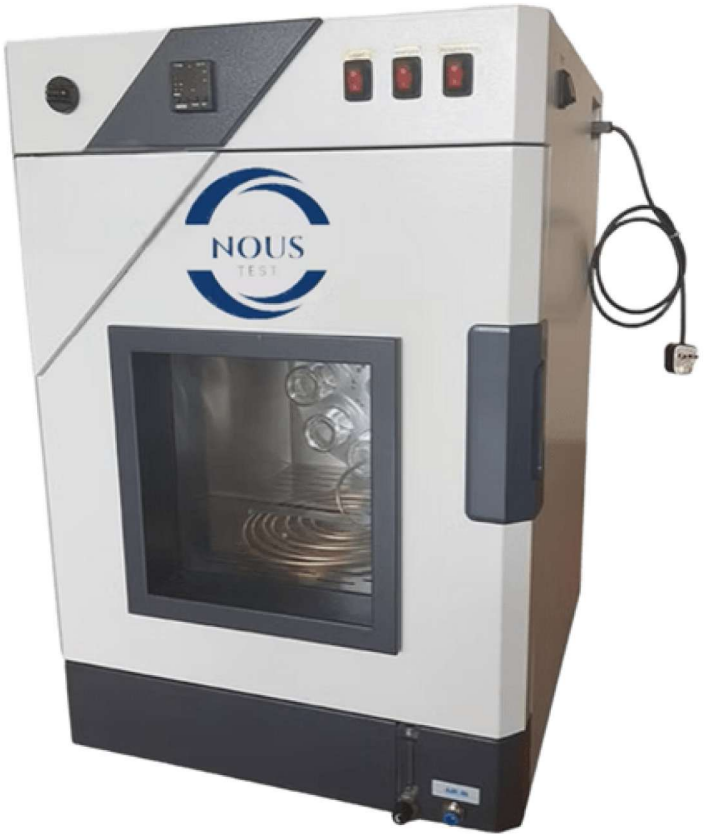
BITUMEN

RTFOT Bitumen Oven – Rotating Thin Film Oven

PRODUCT CODE

NT-B0430A Bitumen Oven – RTFOT Method, ASTM
NT-B0430E Bitumen Oven – RTFOT Method, EN
NT-B0432 Bitumen Oven spare glass container, heat resistant Ø64 x 140mm
NT-GH5075 Air compressor 8 bar 50 lt.



STANDARDS

AASHTO T240, ASTM D2872, EN 12607-1

SPECIFICATIONS

High-Performance Aging Tester

The RTFOT (Rolling Thin Film Oven) device tests the aging and hardening tendencies of bituminous binders by exposing them to heat and air in thin films. This allows for the longevity and performance of asphalt pavements to be predicted.
The device is fully compliant with Superpave performance testing programs and international standards such as ASTM D2872.

The inner body is made of stainless steel, the outer surface is electrostatically powder painted, and the device has an observation glass on the lid that allows for sample monitoring throughout the test.

The 7” color touchscreen control panel allows duration adjustments of temperature, airflow, and test duration.
A digital PID control thermostat, providing a constant temperature of 163°C, is included.
Airflow rate can be adjusted from 0.1 to 10,000 ml/min.
It is equipped with comprehensive safety systems such as a double-safety thermostat, door lock system, overheating alarm, door open warning, pilot light, and magnetothermic switch.

The RTFOT device is supplied with 8 glass tubes.
The NT-GH5075 air compressor must be ordered separately.