

Automatic Bitumen Penetrometer

Make: LabTek

Model: SUN-BT-008

Origin: India

Standards: EN 1426; ASTM D5; AASHTO T49

A compact instrument, microprocessor controlled, using the latest technologies and programming tools. It includes a 6" lateral touch screen display, intuitive and easy to use, which shows the penetration/time curve and can display and average up to 6 tests. The instrument reaches the test start point automatically, and it is supplied with an integrated led lamp. The vertical movement is performed by a high precision stepper motor and measured by a contactless displacement transducer. The device also has the possibility to recall the vertical position for repeated tests.

The test should be performed placing the penetration cup in thermostatically controlled water, using a suitable device as our water bath with thermoregulator and immersed probe (see accessories).

The apparatus is supplied complete with outfit for penetration of bituminous materials (needle, needle holder, 50 g weight, 150 g additional weight and 6 containers), centering guide, anodized aluminium base plate with spirit level and adjustable leveling feet. USB flash drive for saving data and test reports included.

Technical Specifications:

- ☛ Programmable reference positions for holder assembly: 8
- ☛ Programmable penetration time: 0-9999 sec
- ☛ Programmable delay time: 0-999 sec
- ☛ Penetration range: 0-50 mm
- ☛ Penetration resolution: 0.01 mm
- ☛ Tests simultaneously displayed: up to 6
- ☛ Languages: English or Italian
- ☛ Connections: USB port for test database and Lan port for PC connection
- ☛ Overall dimensions (wxdxh): 360x410x680 mm
- ☛ Weight approx.: 21 Kg



Semi-Automatic Digital Bitumen Penetrometer

Make: LabTek

Model: SUN-BT-009

Origin: India

Standards: EN 1426; ASTM D5; AASHTO T49

The Semi-Automatic Digital Bitumen Penetrometer is used to determine the penetration of bituminous samples under constant load, time and temperature. The bitumen penetrometer is consists of steel base, leveling screws, digital penetration measurement gauge 0.01 mm precision, release button, automatic zeroing and spirit level. Bitum Penetrometer is supplied with semi automatic timer unit. Penetration timer unit is used to release the plunger fitted with the needle to start the 5 seconds test. Thermometers required for the test should be ordered separately.

The Semi-Automatic Digital Penetrometer is supplied with;

- Penetration Needle, 2,5g, 1 piece
- Transfer Dish
- Sample Cup Ø 55x35 mm, 6 pieces, stainless steel



Standards Bitumen Penetrometer

Make: LabTek

Model: SUN-BT-009

Origin: India

Standards: EN 1426; ASTM D5; AASHTO T49

It consists of a vertical pillar mounted on a base provided with leveling screws. The head, together with dial plunger rod a cone (or needle) slides on a pillar and can be clamped at any desired height. A rack and pinion and pointer assemble provides fine adjustment of needle or cone tip to sample. It incorporates a clutch mechanism. Which makes reading of penetration and subsequent resetting a simple and accurate operation. The dial is graduated in 400 1/10 and the millimeter subdivisions and the needle pointer against figures makes easy reading. Supplied with a bitumen penetration needle, ring weight one each 50 gms. and 100 gms. two sample containers.

Accessories:

Penetration cone for empirical estimation of penetration of lubricating grease, petroleum jelly etc.

