

PENETROMETERS FOR BITUMEN

EN 1426, ASTM D5, BS 2000, AASHTO T53

Used to determine the consistency of a bituminous sample under fixed conditions of load, time and temperature. The penetration is expressed in distance of tenths of millimeters vertically penetrated by a standard needle.

SEMI-AUTOMATIC PENETROMETER

Digital measurement of the penetration values.

The penetrometer comprises:

- baseplate with spirit level,
- vertical mounting rod with height-adjustable penetration arm,
- integrated displacement transducer to measure the penetration,
- electronic plunger release.

Machine functions:

Electronic plunger release

By pressing the start button of the control unit, the plunger is released. After the time preset at the quartz timer has elapsed (works setting 5.0 sec), the plunger is electromagnetically clamped.

Height adjustment

By rotating the handwheel, the height of the penetration arm can be set.

Dial gauge holder

The electronic displacement sensor with graphic display measures the penetration automatically.



Specifications:

- Measuring range: 0-350 penetration units (equivalent to 0-35mm)
- Resolution: 0.04 mm
- Test load: 100g for needle penetration, 150g for conic penetration
- Test time: 5 sec (adjustable from 1 to 99 seconds)
- Adjustable to Needle Height,

SPECIFICATIONS:

Product Code	: BAS-513/2
Weight	: 24 kg
Dimensions	: 250 x 380 x 574 mm
Power	: 220V, 50Hz