

AUTOMATIC PENETRATION OF BITUMINOUS MATERIALS

STANDARD

EN 1426, ASTM D5, AASHTO T 49

81-B0103/A

Electronic automatic penetrometer.
230 V, 50-60 Hz, 1 ph.

General description and specifications

A compact instrument using the latest technologies and programming tools: motorised mobile head, digital keyboard, 51 family microprocessor, LCD alphanumeric display.

During the test, depth penetration is permanently displayed both in units and tenth of units (0.01 mm). An optoelectronic detection of depth penetration with an automated approach and a levelling system for conductive samples are available.

The instrument is made of an anodised aluminium base plate with levelling screws and spirit level, centering guide, magnifying lens and low voltage illumina-

tor mounted on flexible arms. Supplied complete with 2.5 g standard needle, needle holder, 50 g weight and 10 penetration tins 55x35 mm

Overall dimensions:

260x320x540 mm

Weight approx.: 23 kg

Spare parts and accessories

81-B0103/1
Standard needle 2.5 g ± 0.05 g

81-B0103/2
Needle holder 47.5 g ± 0.05 g

81-B0103/3 50 g weight

81-B0103/4
Penetration tin dia. 55x35 mm, set of 10 pieces

81-B0103/5
Penetration tin dia. 70x45 mm

WATER BATH FOR PENETRATION TESTS

81-B0102/B

Thermostatically controlled digital circulation water bath for penetration tests. 230 V, 50-60 Hz, 1 ph.

General description and specifications

Provides water at the required temperature ($25 \pm 0.1^\circ\text{C}$). The apparatus consists of a water bath fitted with heater, digital thermoregulator and recirculating pump. Supplied complete with dish, cooling coil (current water operated), rubber connecting hoses and couplings.

Power: 200 W

Overall dimensions:

330x360x390 mm

Weight approx.: 9.7 kg



81 B0103/A



81-B0102/B