

20-20660 Digital Penetrometer 数码针入度仪

Apparatus for determination of the needle penetration according to EN 1426 - ASTM D 5 - AASHTO T49. At this the path a standard needle penetrates in the sample under standardized conditions (load, time, temperature) is measured.

根据欧盟标准(EN 1426)、美国材料与试验协会标准(ASTM D 5)以及美国国家公路与运输商协会标准(AASHTO T 49)制作，用于测试针入度。在设定的标准（荷载、时间和温度）条件下，测试出标准针透入试件的深度。

The penetration depth of the needle is determined with an electronic measuring system, which is separated from the plunger during the test. This and the free guidance of the plunger the influence to load and friction is virtually eliminated.

针入深度通过电子测试系统确定，该系统在测试期间与穿刺器分离。这实际就消除了穿刺器自由导向对荷载和摩擦力的影响。

Before each start of the test the measuring system automatically referenced, then the penetration needle moved up to the sample with an electric drive, which is moved by finely adjustable joystick (a magnifying glass and an ultra-bright LED lamp available).

每次测试开始之前，测试系统自动参照设定，透针通过电子驱动移向试件，由可精调的操纵杆（具有一块磁玻璃和一个超亮LED灯）移动。

Then the plunger is approved by an automatic device and blocked again after the testing period. The test result is displayed on the digital display.

The plunger can easily be removed to calibrate its weight.

然后，穿刺器由自动装置核准，在测试过程后再被锁定。测试结果会在数码显示屏显示。穿刺器易于移除并校正重量。

Specifications 规格:

- Measuring range: 0-300 penetration units (equivalent to 0-30mm) 测试范围: 0-300 针入度单位 (相当于 0-30mm)
- Resolution: 0.01 mm 分辨率: 0.01 mm
- Test load: 100g (plunger 97.5 g + 2.5 g penetration needle) 测试荷载: 100 克 (穿刺器 97.5 g + 2.5 g 测试针)
- Test time: 5 sec (adjustable from 0.1 to 3000 seconds) 测试时间: 5 秒 (由 0.1 至 3000 秒可调)
- Dimensions (WxDxH): 27 x 48 x 75 cm 尺寸: (宽 x 深 x 高): 27 x 48 x 75 cm
- Weight: 24 kg 重量: 24 kg
- Power supply 电源: 100/240 V, 50/60 Hz

Accessories (penetration needle, preheating bath ...) are also required to carry out the test. 还需要选购附件（测试透针，预热浴等），才能进行测试试验。

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