



# Automatic Digital Penetrometer

For the determination of the needle penetration according to EN 1426 - ASTM D 5 - AASHTO T49.

As a standard needle penetrates the sample under standardized conditions (load, time, temperature) is measured.

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. Before the start of each test the measuring system is automatically referenced.

Run-up and touch down of the needle are carried out automatically via measurement system. Manual joystick mode also possible. Then the plunger is enabled by an automatic device and blocked again after the testing period. The test result is displayed on the graphical touch display.

The plunger can easily be removed to calibrate its weight.

## Specifications:

- Measuring range: 0-300 penetration units (equivalent to 0-30mm)
- Resolution: 0.01 mm
- Test load: 100g (plunger 97.5 g + 2.5 g penetration needle)
- Test time free adjustable from 001 seconds)
- Dimensions (WxDxH): 28x49x76 cm/12in x 20in x 30in)
- Weight: 26 kg/60lb
- Power supply: 100/240 V, 50/60 Hz

Accessories (penetration needle 20-20711, preheating bath...) are also required to carry out the test.

