UTEST
MATERIAL TESTING EQUIPMENT

PENETRATION of BITUMINOUS MATERIALS

Product Code

UTB-0130   Fully Automatic Electronic Bitumen Penetrometer
UTB-0122   Sample Cup, Ø 55x35 mm, stainless steel
UTB-0123   Sample Cup, Ø 70x45 mm, stainless steel
UTB-0124   Penetration Needle, 2,5 g
UTB-0125   Transfer Dish for UTB-0120 and UTB-0130

Models for 220-240V 50-60 Hz, 1 ph.	UTB-0130
Models for 110-120V 60 Hz, 1 ph.	UTB-0130-N

Standards

EN 1426; ASTM D5; AASHTO T49

UTB-0130 Fully Automatic Electronic Bitumen Penetrometer with automatic surface detection is used for determination of the needle penetration according to EN 1426, ASTM D5 and AASHTO T49 standards. The penetration depth of the needle is determined with a pulse type electronic measuring system, which is separated from the plunger during the test, this allows the free guidance of the plunger which virtually eliminates friction during the test. UTB-0130 incorporates automatic surface detection which reduces operator based errors and enables performing penetration tests in a quicker way.

Before the start of each test, the measuring system automatically resets, and then the penetration needle moves down to the sample using the electric drive. The plunger is then automatically released onto the sample and raised automatically after the testing period. The test result is displayed on the digital TFT touchscreen.

A magnifying glass and an ultra- bright LED lamp are supplied to assist the operator in addition to automatic surface detection technology. The plunger can easily be removed for weight calibration.

In addition to automatic surface detection, UTB-0130 has a PT 100 temperature sensor to measure the temperature in the transfer dish.

The Automatic Electronic Penetrometer is supplied complete with;

- Penetration Needle, 1 piece.
- Needle Holder, 1 piece.
- Weights of 50g and 100g
- Transfer Dish
- Sample Cup, Ø55x35 mm, 6 pieces, stainless steel

Technical Specifications

Measuring Range	0-50 mm
Resolution	0.01 mm
Total Test Load	100 g (plunger 97.5 g + 2.5 g pen. needle)
Loading Time	5 seconds (adj. from 0.1 to 9999 sec.)

Dimensions	270x330x850 mm
Weight (approx.)	18 kg
Power	75 W

ASO 1. Organize Sanayi Ural Caddesi No:18 Sincan-Ankara/TURKEY
P: +90 312 394 3875 (pbx) • P: +90 312 394 3877 • info@utest.com.tr

utestgroup   www.utest.com.tr