

Product Code

UTAS-2130 Automatic Asphalt Indentation Penetrometer, EN
 UTAS-2134 Spare Indentor Pins (100mm² and 500 mm²)
 for UTAS-2130
 UTAS-2135 Adjustable mould for the test cube (69mm)
 for UTAS-2130
 UTAS-2136 Metal Intermediate Plate for UTAS-2130
 UTAS-2137 Calibration Block for UTAS-2130
 UTAS-2138 The apparatus for preparing the test cubes
 for UTAS-2130
 UTCM-0926 Cube Mould 70.7 mm, BS, steel,
 for UTCM-0930 and UTAS-2130

Models for 220-240V 50-60 Hz, 1	UTAS-2130
ph. Models for 110-120V 60 Hz, 1	UTAS-2130-N

Standards

TS EN 12697-20

UTAS-2130 Automatic Indentation Penetrometer determines the resistance of an asphalt cube and cylindrical specimens to indentation when force is applied to them using a cylindrical pin in a defined period.

Maximum nominal size of the aggregates should be less or equal to 16 mm.

UTAS-2130 can apply a 25 N preliminary force and than 525N total force without touching the test weights with electromechanical method acc. to TS EN 12697-20.

UTAS-2130 consists of a four-columns frame combined with an assembly for force application and a stainless steel 25L water bath with drain facility, a digital control unit with immersion type heater-agitator, 50 x 0.01 mm displacement transducer with holder, calibration block, interchangeable indentor pin with 100 mm² and 500 mm², an adjustable mould 69mm, a metal intermediate plate and a free software.

Cube mould and the apparatus for preparing the test cubes should be ordered separately.

UTAS-2130 is supplied with software developed by Utest that allows automatic capture to PC of test data. Software is capable of showing the test data in real time, storing the results and real time temperature monitoring.

Key Features

- Stainless steel
- Temperature control
- Digital indicator
- Ethernet connection



UTAS-2130

Technical Specification

Preliminary Force	(25 ± 1) N
Total Test Force	(525 ± 1) N
100 mm ² Diameter Indentor Pin	(11.3 ± 0,1)mm
500 mm ² Diameter Indentor Pin	(25.2 ± 0,1) mm
Deformation of Apparatus Upon Application and Removal of Forces	<0.01 mm
Water Tank Capacity	25 litres
Water Temperature Range	Ambient to the test temperatures
Water Temperature Stability	Accuracy of ± 1 °C.
Digital Indicator Resolution	0.01 mm
Dimensions	590x1030x480
Weight (approx.)	cm 196 kg