



Penetrometer LD-LMPT-A11

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Overview

Penetrometer LMPT-A11 is a temperature controlled unit for determining penetration of pavement petroleum asphalt, modified asphalt, liquid petroleum asphalt and emulsified asphalt. It has digital meter display which shows penetration number of sample. Equipped with automatic temperature controller and high accuracy temperature sensor. Separate automatic controlled temperature water bath for penetration determination. It is ideally used for different types of asphalt, food industries, highway engineering, etc.

Features:

- Digital meter display shows penetration number of the sample
- Stable and reliable measured data
- Automatic magnetic stirrer
- High temperature control precision
- High accuracy temperature sensor
- Adjustable needle holder
- Automatic controlled temperature water bath

Applications:

Widely used for determining needle penetration of pavement petroleum asphalt, modified asphalt, liquid petroleum asphalt and emulsified asphalt, also for solid particle, powder, colloid mixture, highway engineering and food materials such as glycine, cheese, butter, cream, leavening agents, etc.

Specifications:

Weight	30 kg
Resolution	0.01 mm
Power supply	AC 220 V $\pm$ 10 %, 50 Hz
Time accuracy	$\pm$ 0.1 seconds
Measurement range	0 to 600 penetration scale
Power consumption	200 W
Timing controller	5 sec or 60 sec
Penetration accuracy	$\pm$ 1 penetration
Environment temperature	15 °C to 35 °C
Dimensions (W $\times$ L $\times$ H)	650 $\times$ 500 $\times$ 850 mm
Weight of standard needle	2.5 $\pm$ 0.05 g
Temperature control accuracy	25 °C $\pm$ 0.1 °C