

Penetrometer LMPT-A11



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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

Application

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

Model No	LMPT-A11
Measurement range	0 to 600 penetration scale
Timing controller	5 sec or 60 sec
Time accuracy	± 0.1 seconds
Resolution	0.01 mm
Penetration accuracy	± 1 penetration
Temperature control accuracy	$25\text{ }^{\circ}\text{C} \pm 0.1\text{ }^{\circ}\text{C}$
Environment temperature	$15\text{ }^{\circ}\text{C}$ to $35\text{ }^{\circ}\text{C}$
Weight of standard needle	2.5 ± 0.05 g
Power consumption	200 W
Power supply	AC 220 V $\pm 10\%$, 50 Hz
Dimensions (W \times L \times H)	650 \times 500 \times 850 mm
Weight	30 kg