

Penetrometer LMPT-A12



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Penetrometer LMPT-A12 is a two grade low temperature controlled unit for determining penetration of pavement petroleum asphalt, modified asphalt, liquid petroleum asphalt and emulsified asphalt with time control. It has digital display which shows penetration number of sample. Separate automatic low temperature circulatory water bath for maintaining constant temperature on the unit. It is ideally used for different types of asphalt, food industries, highway engineering, etc.

Features

- Digital display shows penetration number of the sample
- Two grade of timing control
- Adjustable needle holder
- Designed for low temperature measurement
- Circulatory water bath maintains constant temperature
- Low temperature can be preset for different specimens

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-A12
Penetrometer	
Measurement range	0 to 600 penetration scale
Timing controller	5 sec or 60 sec
Time accuracy	± 0.1 seconds
Resolution	0.1 penetration
Penetration accuracy	± 1 penetration
Weight of standard needle	2.5 ± 0.05 g
Dimensions (W × L × H)	700 × 400 × 750 mm
Weight	30 kg
Circulatory Water Bath	
Bath volume	3.5 L
Temperature range	5 °C to 60 °C
Temperature accuracy	± 0.1 °C
Circulatory water quantity	3 L/minute
Pump Lift	2 m
Power consumption	1200 W
Power supply	AC 220V ± 10 %, 50 Hz
Dimensions (W × L × H)	600 × 400 × 650 mm
Weight	40 kg