

Penetrometer LMPT-A10



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Penetrometer LMPT-A10 is a six grade softening unit for determining needle penetration of bituminous mixture and cone penetration of lubricating grease with control time. It has digital display which shows penetration number of sample. Equipped with grease masher, constant temperature bath, cold light source and a magnifier. Automatic controlled temperature bath for penetration determination. It is ideally used for hydro carbons mixture, food industries, highway engineering, etc.

Features

- Digital display shows penetration number of the sample
- Automatic magnetic stirrer
- High timing control accuracy
- Six grade softening control
- Adjustable needle holder
- Equipped with grease masher and constant temperature bath
- Automatic controlled temperature bath
- Equipped with a cold light source and a magnifier

Application

Widely used for determining needle penetration of bituminous mixture, cone penetration of lubricating grease, 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-A10
Measurement range	0 to 600 penetration scale
Timing controller	5 sec, 8 sec, 10 sec, 12 sec, 30 sec and 60 sec
Time accuracy	± 0.1 seconds
Resolution	0.01 mm
Penetration accuracy	± 1 penetration
Temperature control accuracy	25 °C ± 0.1 °C
Temperature control mode	High accuracy digital temperature controller
Weight of standard needle	2.5 ± 0.05 g
Weight of standard cone	102.5 ± 0.05 g
Power consumption	200 W
Dimensions (L × W × H)	750 × 450 × 750 mm
Weight	40 kg

Optional Accessories

No.	Accessory name
1.	¼ scale cone