

# Penetrometer LMPT-A13



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Penetrometer LMPT-A13 is a fully automatic unit for determining needle penetration of highway bitumen, modified asphalt, as well as liquid petroleum asphalt or residue of emulsified asphalt after evaporation material. It has 0.6 penetration measurement accuracy with stable test repeatability. Automatic drawing and print of nomogram of asphalt penetration with special designed computer drawing software and data accurate reading technology. Consists of automatic lifting device for penetration measurement. It is ideally used for petroleum, emulsified asphalt and highway bitumen, etc.

### Features

- Measurement accuracy reaches up to 0.6 penetrations
- Equipped with high resolution capacitance touch screen
- Installed specific computer drawing software and data accurate reading technology
- Automatic draw and printing of nomogram of asphalt penetration
- Equipped with automatic lifting device
- Stable test repeatability with new detection unit

### Application

Widely used for determining needle penetration of highway bitumen, modified asphalt, as well as liquid petroleum asphalt or residue of emulsified asphalt after evaporation.

## Specifications

Model No	LMPT-A13
Measurement range	0 to 600 penetration scale
Timing range	0 sec to 60 sec
Time accuracy error	$\geq \pm 0.1$ seconds
Resolution	0.1 penetration
Power consumption	200 W
Power supply	AC 220 V $\pm 10\%$ , 50 Hz
Needle diameter	50 mm
Sample container (D $\times$ H)	55 mm $\times$ 35 mm
Dimensions (L $\times$ W $\times$ H)	260 $\times$ 400 $\times$ 600 mm
Standard weight	50 g
Weight of standard needle	$2.5 \pm 0.05$ g
Net Weight	15 kg