



## **Penetrometer LD-LMPT-A13**

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# Penetrometer LD-LMPT-A13

## Overview

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

## Applications:

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:

<b>Net Weight</b>	15 kg
<b>Resolution</b>	0.1 penetration
<b>Power supply</b>	AC 220 V $\pm$ 10 %, 50 Hz
<b>Timing range</b>	0 sec to 60 sec
<b>Needle diameter</b>	50 mm
<b>Standard weight</b>	50 g
<b>Measurement range</b>	0 to 600 penetration scale
<b>Power consumption</b>	200 W
<b>Time accuracy error</b>	? $\pm$ 0.1 seconds
<b>Dimensions (L x W x H)</b>	260 x 400 x 600 mm
<b>Sample container (D x H)</b>	55 mm x 35 mm
<b>Weight of standard needle</b>	2.5 $\pm$ 0.05 g