

Digital Penetrometer for Material Consistency

This digital penetrometer is designed to measure the consistency and penetration resistance of various materials. It features a digital display for accurate readings and a stable base for reliable operation.



Product Overview

Precision Material Consistency Testing

This advanced penetrometer is engineered for determining the needle penetration of petroleum asphalt, modified asphalt, liquid petroleum asphalt, and residues after evaporation of emulsified asphalt. Designed in accordance with national and industry standards for highway engineering, it features a refined up-and-down assembly for precise adjustments. The unit includes an integrated heating structure, automatic temperature control, and a digital dial indicator to ensure high accuracy and ease of operation in laboratory and quality control environments.

Key Performance Metrics

Measurement Range

600 penetration

Max Penetration

Temperature Control Accuracy

25±0.1°C

Technical Specifications

Available Timing Selections

- 5
- 60

Heating Power

200 W

Minimum Scale Division

1 penetration

Standard Needle Weight

2.5 g

Design & Features

Display Interface

Digital dial indicator (0.01 resolution)

Constant Temperature Bath

Hardened glass

Included Accessories

Cold light source, Magnifier, Automatic temperature controller