

# Digital Penetrometer for Material Consistency Testing

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



## Overview

### Precision Material Consistency Testing

The Digital Penetrometer is a versatile instrument engineered for determining the penetration resistance and consistency of diverse materials, including petroleum asphalt, lubricating grease, and various food products. Designed to meet national and industry standards for penetration testing, it offers high accuracy and repeatable results essential for quality control. With a robust design and precise digital timing, this device is suitable for laboratories in highway construction, food processing, and chemical industries.

## Technical Specifications

### Selectable Timing Intervals

- 5
- 8
- 10
- 12
- 30
- 60

Time Controlling Error	0.1 s
Penetration Accuracy	1 penetration
Maximum Penetration	600 penetration
Heating Power	220 W

## Components

### Standard Needle Weight

**2.5 g**  
Weight

### Standard Cone Weight

**102.5 g**  
Weight

Constant Temperature Bath	Hardened glass
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## Applications

<b>Primary Industries</b>	Food Inspection, Highway Construction, Petroleum, Chemical
<b>Compatible Materials</b>	Petroleum Asphalt, Lubricating Grease, Solid Granule, Powder, Colloid, Cream, Glycine, Butter