

# Paraffin Wax Penetrometer

This penetrometer is designed for determining the penetration of paraffin wax and similar materials. It features a precision measurement system with a digital display and a temperature-controlled bath for consistent testing conditions.



## Overview

### Precision Testing for Paraffin Wax

The DSHD-2801G Penetrometer is a specialized instrument engineered to determine the needle penetration of paraffin wax in strict accordance with National Standard GB/T 4985. It provides highly accurate measurements by calculating the depth a standard 100g needle penetrates a wax sample under controlled conditions. Featuring a digital display and a robust constant temperature bath, this device is an essential tool for quality control and research in petroleum, cosmetics, and pharmaceutical laboratories.

## Technical Specifications

### Timing Selection

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

Timing Error	0.1 s
Penetration Accuracy	0.1 penetration
Maximum Penetration	600 penetrations
Heating Power	220 W

## Equipment Components

Standard Needle Weight	2.5 g
Needle Weight Tolerance	0.05 g
Constant Temperature Bath Material	Harden glass
Mold Dimensions	25 x 32 x 3 mm (Brass cylinder)
Brass Board Dimensions	65 x 40 x 6.5 mm

## Featured Metrics

### Key Performance Metrics

**25 °C**

Standard Test Temperature

**0.1 mm**

Penetration Unit