

# Engler Viscometer

The Engler Viscometer determines the ratio between the time used by a liquid flowing out of the device under specific conditions and distilled water at 20 . This ratio represents the liquid's Engler viscosity.



## Product Overview

### Precision Viscosity Measurement

The Engler Viscometer is a specialized laboratory instrument engineered for the precise measurement of fluid viscosity, particularly for petroleum products and viscous materials. It operates by measuring the specific time required for a defined volume of fluid to flow through a calibrated orifice under strictly controlled temperature conditions. Designed for quality control and research, this device features robust stainless steel construction, advanced temperature regulation, and digital timing for reliable, repeatable performance.

## Technical Specifications

### Temperature Measurement Range

<b>0</b> Min	<b>100</b> Max
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Temperature Control Accuracy	0.1
Heating Power	700 W
Total Power Consumption	800 W
Timing Mode	LED timer
Maximum Time Measurement	999 s
Standard Water Value	51±1 s

## Operating Environment

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Parameter	Range
Ambient Temperature	-10 to +40
Relative Humidity	d85%

## Power Requirements

Power Supply	AC 220 V±10%, 50 Hz
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## Design & Components

### Measuring Flask Specifications

- Standard:  $200 \pm 0.2$  ml
- Asphalt Sample:  $50 \pm 0.2$  ml

### Construction Materials

Stainless Steel Inner Container

### Thermometer Standard

GB/T514