

Engler Viscometer

The Engler Viscometer determines the ratio between the time it takes for an asphalt or petroleum product sample to flow out of the viscometer and the time it takes for distilled water to flow out at a specific temperature. The ratio represents the Engler viscosity of the tested sample.



Overview

Precision Viscosity Measurement

The Engler Viscometer is a specialized laboratory instrument designed for the precise determination of fluid viscosity, particularly within the petroleum and chemical industries. It utilizes a controlled water bath and a calibrated orifice to measure flow rates, ensuring repeatable and accurate results. With integrated digital temperature control and high-precision timing, this device is an essential tool for quality control and research applications.

Technical Specifications

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|----------------------------------|------------------------------|
| Timer Accuracy | 0.01 s |
| Heater Power | 550 W |
| Measuring Flask Volume | 100 ml |
| Temperature Controlling Accuracy | ±0.1 |
| Temperature Measurement Range | 0°C – 100°C |
| Standard Water Value | 51±1 s (at 20±0.1°C; 200 ml) |

Construction

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|--------------------------|-----------------|
| Inner Container Material | Stainless Steel |
| Thermometer Standard | T0622 |

Model Options

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|------------------|---------------------------|
| Available Series | DSHE-1A, DSHE-1B, DSHE-1C |
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