



# AUTOMATIC KINEMATIC VISCOSITY TESTER FOR PETROLEUM PRODUCTS

QualiAKVT-D445

# Automatic Kinematic Viscosity Tester for Petroleum Products

## QualiAKVT-D445

The QualiAKVT-D445 by Qualitest is **an advanced automatic tester for measuring the kinematic viscosity of petroleum products, fully compliant with ASTM D445**. It delivers accurate, repeatable results for Newtonian fluids, supporting oil, fuel, and lubricant testing.

With automated operation, built-in computer, and high-resolution LCD display, it reduces operator workload while ensuring consistent performance for labs, refineries, and quality control settings.

Applications :

- Lubricant and fuel testing
- Oil quality control
- Petrochemical and refinery labs
- Automotive and aviation fluid analysis



## FEATURES/ADVANTAGES

### ASTM D445 Compliant with Precision Sensing

Accurately measures the kinematic viscosity of transparent and opaque petroleum-based fluids using infrared detection and a German-made PT100 probe, ensuring full compliance and dependable results.

### One-Key Fully Automated Operation

Handles the entire test cycle—including temperature control, liquid level detection, timing, cleaning, and data output—with a single touch, saving time and minimizing operator workload.

### Highly Stable Temperature Control System

Features a PID-regulated heating system that maintains bath temperatures within  $\pm 0.01^\circ\text{C}$ , providing the stability needed for repeatable and reliable viscosity testing every time.

### Touchscreen Control with Custom Settings

Built-in 8.4" LCD screen and English-language interface support intuitive operation, modular flexibility, and four programmable parameter groups for a variety of test needs.

## TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS
Temperature Range	Room temperature to 120°C
Temperature Accuracy	$\pm 0.01^\circ\text{C}$
Heating Power	1300W
Liquid Level Detection	Infrared photoelectric sensor
Sample Storage Temperature	0 – 50°C
Display	8.4" full-color LCD
External Dimensions	360 × 450 × 665mm
Weight	28.5kg (62.83 lbs)



USA | CANADA | UAE | GCC | EU | INDIA | APAC | AFRICA | LATIN AMERICA

## Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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