

VP TE-1000AE

Micro-Vapor Pressure Tester



Accurate



High Efficiency



Convenient



Stable performance



The VP TE-1000AE is an automatic and rapid testing instrument for liquid volatility, developed using the triple expansion method. It accurately measures the vapor pressure of substances like gasoline, aviation gasoline, hydrocarbon solvents, light distillate petroleum products, and chemical reagents, and is suitable for the petroleum and chemical industries.

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Product Features

- Employs the internationally advanced triple expansion method.
- No sample pre-treatment required, with one-button completion of experimental operations.
- Fully automated detection eliminates errors from manual operations.
- Requires 1 mL of sample, yielding results in 10 minutes.
- Flexible setting and automatic detection of multiple temperature points, quickly generating temperature-pressure reference charts.
- A unique cleaning method effectively controls sample cross-contamination, enhancing detection efficiency and precision. Maintenance-free measuring chamber, suitable for high-intensity testing tasks.
- User hierarchical management, enabling control and management of different level accounts.
- USB plug-and-play interface with optional thermal printer for convenient data management.
- User-friendly human-machine interaction, easy to learn, understand, and operate.
- 7-inch color touchscreen with direct and simple operations.

Test Standards

SH/T 0769 SN/T 2932 ASTM D6378 SH/T 0794
 ASTM D5191 GB/T 8017 ASTM D323 EN 13016-1
 IP 394

Application Fields



Petroleum



Environment



Food



Medicine

Technical Specifications

Operating Environment	5 °C to 40 °C, < 85% RH
Temperature Range	0 – 120 °C
Temperature Stability	± 0.1 °C
Pressure Detection Range	0 – 1000 kPa
Pressure Resolution	0.01 kPa
Repeatability	≤ 0.3 kPa (@ 37.8 °C, 70 kPa)
Reproducibility	≤ 0.7 kPa (@ 37.8 °C, 70 kPa)
Sample Test Amount	1 mL (about 10 mL sample is needed for rinsing for 3 times)
Gas-to-liquid ratio	0.02:1–4:1
Interface	RS232 *1, RJ45 *1, USB *2
Power Supply	AC 220 V, 50 Hz
Rated Power	150 W
Dimension	225 mm × 290 mm × 390 mm
Weight	12 kg

