

MiniVap VP Vision

Vapor Pressure Analyzer

ASTM D323, ASTM D910, ASTM D6227, ASTM D1655, ASTM D1835, ASTM D1267, ASTM D2879, ASTM D4814, ASTM D4953, ASTM D6378, ASTM D5191, ASTM D6377, ASTM D6897, ASTM D5188, ASTM D5482, EN 13016(1-2), IP 394, IP409, IP481, JIS K2258-2, SHT 0769, GOST 52340

MINIVAP VP Vision features high precision vapor pressure analysis of gasoline, jet fuel, crude oil, LPG and solvents covering an extended range of 0-2000 kPa. The analyzer provides compromising precision according to ASTM D5191 and other international standards. Long-term testing has demonstrated an unmatched repeatability of less than 0.2 kPa. Grabner 2D-Correction™ (273 points) and exact piston positioning VP Vision guarantees most precise results. Sampling Pro valve design is proved to be the best-in-class for minimizing cross contamination.

Simplicity & Flexibility

The MINIVAP VP Vision uniquely combines ease of use with flexibility by modern user interface on the touch screen. Measuring templates can be created and customized methods can be added. In addition each analyzer incorporates a shaker to provide rapid equilibrium for crude oil and V/L ratio tests.

Durability & Robustness

VP Vision is the first vapor pressure tester certified to work in various type of environment. It has demonstrated an ability to withstand vibrations and heavy shocks coming from any direction which makes it ideal for use in mobile laboratories or in military applications.

MINIVAP VPL Vision-Highest Accuracy-Lowest Limit

While the standard VP model is designed to sustain pressures up to 20 bar, some applications require increased measurement sensitivity for samples with a very low volatility such as diesel, oils or flavors & fragrances. The MINIVAP VPL Vision model is designed for low volatility measurements up to 150 kPa (21.8 psi). It shows a measuring repeatability better than 0.1 kPa for low volatile samples.



Specifications

Bath temperature	Measured: 0 to 120°C (32 to 248°F) Extrapolated: -100 to 300°C (-148 to 572°F)
Temperature stability	+/- 0.01°C (0.018°F)
Temperature profiles	Single temperature, multipoint, curve, extrapolation
Pressure range	0 to 2000 kPa (0 to 290 psi)
Power	220V ± 15% / 50 to 60 Hz 115V ± 15% / 60 Hz
Pressure resolution	0.01 kPa (0.0014 psi)
Precision repeatability	$r \leq 0.2$ kPa (pure substance @ 37.8°C)
Reproducibility	$R \leq 0.5$ kPa (pure substance @ 37.8°C)
Vapor/Liquid ratio	0.02/1 to 100/1, depending on method
Measurement time	~ 5 min., depending on method
Sample volume	1 mL (2.2 mL per rinsing cycle)
Dimensions (WxHxD)	293 x 390 x 280 mm (10.5 x 15.4 x 11 inch)
Weight	10.5 kg (28 lb)
Power Supply	100-264 V AC, 45-63Hz, 80W (Switching Power Supply)

