

SetaVap4 Automatic Vapour Pressure Tester (80600-2)

ASTM D5191; ASTM D5188; ASTM D6377; ASTM D6378; ASTM D8009; EN 13016-1 & 3; IP 394
 Correlates with ASTM D323; ASTM D1267 ASTM D2533; ASTM D4953; ASTM D5482

Gasoline • Crude Oil • LPG

The SetaVap4 provides users with the latest generation of automated moveable piston based technology for vapour pressure testing.

- Piston design for triple and single expansion test methods
- Peltier cells for heating and cooling
- Integrated shaker for crude oil measurements with variable frequency control
- Large LCD touchscreen display
- Simple test procedure
- Internal results storage
- Compact, rugged design ideal for portable field or laboratory use
- DVPE, RVP, EPA and CARB calculations
- Statistical quality control software
- Optional sample temperature probe
- Optional SETA Digital Density with DensAI Technology, ASTM D4052



Optional Density Sensor

Pressure range	0-1000 kPa
Pressure resolution	0.001 kPa
Temperature range	0 to 120 °C (no external cooling required)
Temperature stability	±0.01 °C
Sample volume	1 ml, plus rinsing
Measurement time	approx 5 mins for D5191
Vapour to liquid ratio	0.02:1 to 20:1
Sample introduction	Automated via built in piston, Transfer tube or syringe
Size (HxWxD) / Weight	39x24x30 cm / 9.5 kg



Shown with optional temperature probe

Vapour Pressure Standards:	Test Method:	Range:	Volume:
80610-0	ASTM D5191; EN 13016-1; ASTM D6378; EN 13016-3	P _{TOT} 111.6 to 114 kPa VP ₄ 106.7 to 109.1 kPa	200 mL

Crude Oil Manual Piston Cylinder (80615-0)

The Manual Piston Cylinder (MPC) enables crude oil samples to be taken from a storage tank, rail car or pipeline without loss of volatile light ends for a safe and accurate test.

- Up to 1380 kPa (200 psi)
- 500 ml sample volume
- Dual scale gauge (psi/kPa)



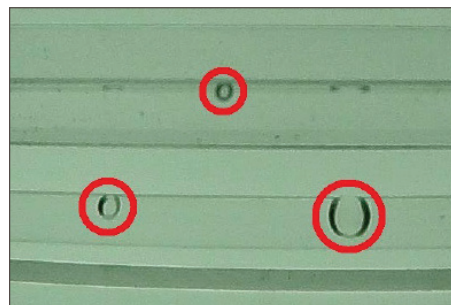
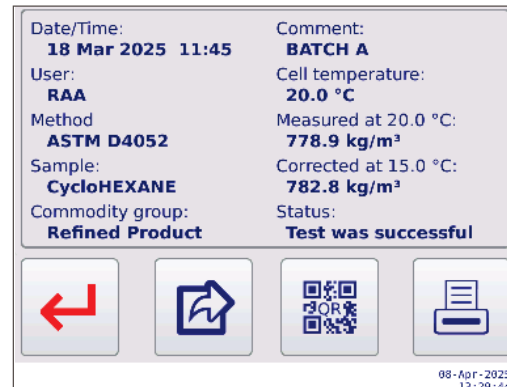
SetaVap4 Vapour Pressure with Digital Density (80607-2)

ASTM D4052; IP 365; ISO 12185

Seta Digital Density is an additional test capability for SetaVap4, providing combined density and vapour pressure testing in a single unit (80607-2).

- Accurate and precise density measurement
- Fully compliant to ASTM D4052
- Automatic Bubble Detection using our patented DensAI technology
- Density measurement via glass oscillating U-tube
- User friendly density calibration screen

The density sensor uses a temperature and humidity controlled oscillating U-tube, allowing for consistent performance across all laboratory testing conditions. The combination of our patented technology, DensAI and a built-in HD camera allows for seamless automatic bubble detection.



Density range	0 kg/m ³ - 1200 kg/m ³
Density resolution	0.01 kg/m ³
Density repeatability	0.01 kg/m ³ for Distillates and Oils, 0.03 kg/m ³ for Gasolines (cold and warm)
Temperature range	10 °C to 40 °C (50 °F to 104 °F)
Temperature stability	0.01 °C (0.02 °F)
Bubble detection method	Automatic Bubble Detection using DensAI
Use	Transparent light and middle distillates

Density CRM Standards:	Volume:	ISO 17034
SETA-1414-0083	250 mL Set of 3	✓

SetaVap2 Automatic Vapour Pressure Tester (81000-2)

ASTM D5191; IP 394; IP 409; IP 481; EN 13016-1

Correlates with ASTM D323; ASTM D4953; D5482; ASTM D6378; IP 69

Pressure range	0 to 200 kPa ±0.5 kPa (0.1 kPa resolution)
Pressure resolution	0.1 kPa
Chamber temperature	37.8 °C (100 °F) 0.1 °C
Modes	Ptot, DVPE, EPA, Crude, Pabs
Power requirement	115 Vac or 220 Vac, 50/60 Hz, 70 W
Size (HxWxD) / Weight	37x13x20 cm / 3.5 kg

