

SetaVap4 80600-0

Automatic vapour pressure testing of fuel

ASTM D5191; D5188; D6377; D6378; EN 13016-1 & 3; IP 394

Correlates with ASTM D323; D2533; D4953; D5482

- Rapid automatic vapour pressure testing
- Piston based design for triple and single expansion test methods
- Peltier cells for heating and cooling
- Integrated shaker for crude oil measurements
- Large LCD touchscreen display
- Simple test procedure
- Internal result storage with USB port for data download
- Compact, rugged design ideal for portable field or laboratory use
- DVPE, RVP, EPA and CARB calculations



Gasoline • Solvents • Crude Oil

Technical Specifications

Regulatory

| | |
|---------------------|---|
| Test methods | ASTM D5191; D5188; D6377; D6378; EN 13016-1; EN 13016-3; IP 394 |
| Correlation | ASTM D323; D2533; D4953; D5482; EPA & CARB |
| Fuel specifications | ASTM D910; D1655; D4814; D5798; D6227; EN 228; CEN/TS 15293 |

Operation

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|------------------------|--|
| Pressure range | 0-1000 kPa |
| Pressure resolution | User specified - 0 to 3 decimal places |
| Pressure accuracy | ±0.2 kPa |
| Units of pressure | kPa, psi |
| Temperature range | 0 to 120 °C (no external cooling required) |
| Units of temperature | °C °F |
| Temperature accuracy | ±0.1°C |
| Vapour to liquid ratio | 0.02:1 to 20:1 |
| Sample volume | 1 ml, plus rinsing |
| Measurement time | 5 minutes for D5191 |
| Lubrication | Automatic |

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|---------------------|---|
| Sample introduction | Automated via built in piston Reusable 80 µm filter Transfer tube or syringe No vacuum pump required |
|---------------------|---|

Data Management

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|-----------------------------|--|
| Statistical Quality Control | ASTM D6299 SQC software built in |
| Display | Real time on screen test progress & results. Samples can be marked as hazy |
| Results storage | 500,000 results stored in internal memory |
| Results download | CSV, PDF |

Interface

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|-------------------|--|
| User interface | 8.4" LCD touchscreen, can be used with gloves, USB, keyboard, mouse & barcode reader |
| Data input/output | LIMS compatible Ethernet RJ45 USB Type A x2 Serial port RS232C Downloadable to USB memory stick QR code |
| Printer options | RS232, Ethernet |

Calibration

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|-------------|----------------------------------|
| Temperature | 10 point temperature calibration |
| Pressure | Multipoint pressure calibration |

Power requirements

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|---------|--|
| Voltage | 100/240 Vac, 50/60 Hz, Auto-sensing universal power supply |
| Power | 300 W |

Environmental

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|-----------------------|--------------------------|
| Operating temperature | 5 to 35 °C |
| Relative humidity | Up to 95% non condensing |

Physical

| | |
|--------------|--------------------|
| Size (HxWxD) | 310 x 200 x 240 mm |
| Weight | 8 kg |