

MULTI-MODE

2 80000-0 SETAVAP ANALYSER

ASTM D5188; D5191; IP 394; IP 409; EN 13016-1; EN 13016-2 (37.8°C)

Correlates with:

ASTM D323; D2533; D4953; D5482; D6378; IP 69; IP 402 (obs); ISO 3007; EN 12 (obs); JIS K2258; NF M07-079

- Five vapour pressure modes, including Reid
- Vapour-Liquid ratio mode
- Automatic operation
- Selectable units
- Integral printer
- RS232 interface



CALIBRATION & VERIFICATION MATERIALS



TECHNICAL DATASHEETS AVAILABLE



80000-0

An automatic multi-mode vapour pressure tester with a pressure range of 0 to 700kPa (0 to 100psi) and a temperature range of 25°C (45°F) below ambient to 100°C (212°F).

Five vapour pressure test modes, including a Reid vapour pressure mode, allow single or multiple vapour pressure tests to be carried out on a sample at static, ramping or stepped temperatures. A vapour-liquid mode enables the user to determine the temperature required to produce a pre-set pressure.

All functions are accessed via a membrane keypad/digital display, while audible and visual prompts advise the status of the instrument and progress of the tests. Units of pressure can be presented in kPa, psi (lbf/in²), kg/cm², mbar, mmHg, or inHg, and units of temperature can be set to °C or °F.

The Setavap Analyser is fully automatic apart from the injection of sample. To ensure gas tight operation, the septum is in strip form and automatically advances for each test. A septum strip is sufficient for up to 50 tests.

At the end of the test the sample is automatically drained and the test results, with time, date, and sample identity, are output via the integral printer and RS232 port.

Calibration is automated and can be carried out at either full vacuum, atmospheric pressure, or high pressure. A calibration certificate can be printed out.

SUPPLIED WITH: 5ml syringe, 3 needles, 3 septum strips, paper/ink package, flask, mains lead and instruction manual.

CONSUMABLES – Setavap Analyser

2 Years/2000 Tests	Qty
40000-007 PAPER/INK PACKAGE	12
80000-016 SEPTUM STRIP, pack of 5	8
80000-017 FLASK, USED SAMPLE, pack of 5	4
81003-001 SYRINGE, 5ml c/w LeurLock	1
81003-002 NEEDLE for 81003-001, pack of 2	1
80009-0 SYRINGE, 1ml c/w LeurLock and needle	2

SPECIFICATIONS

Test Temperature Range:	25°C below ambient to 100°C (45°F below ambient to 212°F)
Temperature Resolution:	0.1°C (0.2°F)
Units of Temperature:	°C or °F
Test Pressure Range	0 to 700kPa
Pressure Resolution:	0.1kPa (0.1psi)
Units of Pressure:	kPa, psi (lbf/in ²), kg/cm ² , mbar, mmHg, inHg (User selectable)
Reid Mode:	Display shows RVP equivalent
Chamber Volume:	15ml ±1%
Vacuum Requirement:	better than 0.01kPa (abs)
Computer Interface:	RS232C
Voltage:	110/120V or 220/240V, 50/60Hz (Switchable)
Power:	200W
Size (HxWxD):	35 x 45 x 37cm
Weight:	22.8kg

ACCESSORIES – Setavap Analyser

REQUIRED

22422-6 VACUUM PUMP, (for details see page 136).

OPTIONAL

80003-0 TRANSFORMER, for use where electrical supply falls below 105V.

80004-0 VACUUM PUMP (for details see page 136).

80009-0 SYRINGE, 1ml c/w LeurLock and needle.

93700-2 LABORATORY REFRIGERATOR, (for details see page 140).

CALIBRATION, VERIFICATION & TRAINING

80005-2 PRESSURE CALIBRATOR, recommended for recalibrating when testing above 200kPa, (for details see page 25).

80007-3 MCLEOD GAUGE, (for details see page 146).

99910-0 PORTABLE DIGITAL BAROMETER, 75 to 115kPa absolute (for details see page 145).

99922-0 DIGITAL THERMOMETER, (for details see page 130).