

MODULAR FLASH POINT TESTER

34100-2 MULTIFLASH - PENSKY-MARTENS CLOSED CUP MODULE

ASTM D93; E502; IP 34; IP 404 (obs); BS 2000 Parts 34 & 404 (obs); ISO 15267; EN ISO 2719; JIS K2265; NF M07-019; DIN 51 758; FTM 791 1102; EPA 1010A; GB/T 261

- Procedures A, B and C
- Flexible automated search mode
- Ambient to 400°C temperature range
- Gas or electric ignition
- Independent fire detector

The Pensky-Martens Closed Cup Module comprises a Test Area, DIPS pod (Dipping, Ignition, Pilot, Stirrer), flash detector, sample temperature probe, and all necessary cables to interconnect with the 34000-0 Universal Base Unit.

The Test Area consists of an electrically heated solid block/air bath with a removable sample cup and lid. The lid is equipped with a stirrer, rotating shutter, and ports for the flash detector and sample temperature probe.

The DIPS pod contains a fire detection probe, stirrer drive, shutter actuator and ignitor dipping mechanism with a coaxial gas jet/electric hot wire ignitor.

The sample temperature probe is a class A PRT, and flash detection is by a thermocouple.

Safety features include an initial dip to check that the sample is below its flash point, a PRT check to ensure that the correct probe is connected and is immersed in the sample, and new 10°C dipping protocol. When in search mode, the software limits the maximum temperature to 50°C above "expected flash". A bath temperature probe protects against over-temperature, and an independent fire detection probe is mounted over the test area.

The optional 34008-0 Cooling Boost Module allows the test area to be rapidly cooled in between tests by a blast of compressed air.

SUPPLIED WITH: DIPS pod, Test Area, Ignitor, Flash Detector, Sample PRT, interconnection leads, and instruction manual.

Note: 34000-0 Universal Base Unit required for operation.



34100-2 mounted on a 34000-0 Base Unit with a 34010-0 Draught Screen fitted



BIO-FUEL TESTING



CALIBRATION & VERIFICATION MATERIALS



SETALERT COMPATIBLE



TECHNICAL DATASHEETS AVAILABLE

SPECIFICATIONS	
Method:	Pensky-Martens Closed Cup
Tests:	P-M Procedures A, B & C GB/T 261 Search mode for unknown samples
Temperature Range:	Ambient to 400°C
Barometric Correction:	Automatic
Bath:	Solid Block/Air
Heating:	Bottom and side heaters
Post Test Cooling:	Fan assisted or Forced Air (Requires 34008-0 Cooling Boost Module option)
Post Test Cool-down Time (90°C to 50°C):	36 minutes (Fan) 6 minutes (Forced Air)
Ignitor:	Quick-fit coaxial gas jet/electric hot wire, user selectable (Electric hot wire pilot light for gas jet)
Temperature Probes:	Class A Platinum Resistance Thermometer, °C or °F
Flash Detection:	Thermocouple
Stirrer Speed:	105 & 250 rpm
Gas Supply (gas jet ignitor):	Laboratory gas, 3kPa (0.44psi) maximum pressure
Air Supply (forced air cooling):	Dry compressed air, 670kPa (100psi) maximum pressure
Voltage:	110/120V or 220/240V, 50/60Hz, (switchable)
Power:	1kW
Size (HxWxD):	40 x 45 x 34cm
Weight:	20kg

ACCESSORIES - Pensky-Martens Closed Cup Module

OPTIONAL

00100-0	SETALERT REMOTE PAGING SYSTEM
23680-0	SPIRIT LEVEL
34003-0	RS232 CABLE, for connecting instrument to PC.
34008-0	COOLING BOOST MODULE
34010-0	DRAUGHT SCREEN (recommended for gas tests).
81002-2	PRINTER

CALIBRATION VERIFICATION & TRAINING

60005-002	DRY WELL PROBE CALIBRATOR, (for details see page 144).
99851-0	MULTI-TEST VERIFICATION MATERIAL, D93 - IP 34 Gas Oil, (for details see page 150).
99853-0	MULTI-TEST VERIFICATION MATERIAL, D93 - IP 34 Lubricating Oil, (for details see page 151).
99908-0	BIO MULTI-TEST VERIFICATION MATERIAL, Gas Oil, (for details see page 151).
99880-0	FLASHCHECK, secondary verification material, (for details see page 156).
99910-0	PORTABLE DIGITAL BAROMETER, 750 to 1500 mbar absolute, (for details see page 145).
99960-0	DIGITAL PHOTO TACHOMETER, (for details see page 147).

CONSUMABLES - Pensky-Martens Closed Cup Module

2 Years/2000 Tests		Qty
34100-001	FLASH DETECTOR	2
34100-002	SAMPLE PRT PROBE	1
34100-004	CO-AXIAL IGNITOR	2
81002-001	PRINTER PAPER, pack of 20 rolls	1