

## PENSKY-MARTENS FLASH POINT

## 13661-3 SETA PENSKY-MARTENS CLOSED CUP TESTER

ASTM D93; E502; IP 34; IP 35; IP 404 (obs); EN 22719; ISO 2719; ISO 15267;  
BS 2000 Parts 35 & 404 (obs); AASHTO T73-811; NF M07-019; JIS K2265; FTM 791 1102

- Ambient to 370°C temperature range
- Variable ramp rate
- Two speed stirrer
- Forced air cooling facility

SUPPLIED WITH: sample cup, lid and shutter stand and instruction manual.



BIO-FUEL TESTING



CALIBRATION & VERIFICATION MATERIALS



SETPLUS EXTENDED WARRANTY AVAILABLE

A Pensky-Martens closed cup flash point tester with an electrically heated cup, adjustable temperature ramp rate, and two speed stirrer.

Suitable for use with mains gas or Seta 13667-0 gas canister. A compressed air supply can be attached to the rear of the instrument to allow rapid cooling in between tests.



13661-3 (Thermometer supplied separately)

## ACCESSORIES - Pensky-Martens

## OPTIONAL

- 13470-0 SETA THERMOMETER FERRULE AND ADAPTOR, to mount thermometers, pack of 2.  
13663-0 SETARAMP CONTROLLER, for optional automated temperature control.  
13664-0 PROBE ASSEMBLY, for use with 13663-0, (Pensky-Martens).  
13665-0 OPEN FLASH CLIP AND THERMOMETER COLLAR, converts to open cup for IP 35; BS 2000 Part 35.  
13666-0 BUTANE REFILL CONTAINER, pack of 10.  
13667-0 PORTABLE GAS TANK, with on/off switch regulator and ignitor (use with Butane refill container 13666-0).  
71001-0 SETA VENT, portable fume extractor and draught excluder, excluding flexible ducting.  
99910-0 PORTABLE DIGITAL BAROMETER, 750 to 1150 mbar absolute, (for details see page 145).  
45000-0 SETPLUS EXTENDED 12 MONTH WARRANTY

## THERMOMETERS:

ASTM9C/IP15C or ASTM9F/IP15F or ASTM10C/IP16C or ASTM10F/IP16F or ASTM88C or ASTM88F

## CALIBRATION, VERIFICATION &amp; TRAINING

- 99851-0 MULTI-TEST VERIFICATION MATERIAL, ASTM D93 - IP 34 Gas Oil, (for details see page 150).  
99853-0 MULTI-TEST VERIFICATION MATERIAL, ASTM D93 - IP 34 Gas Oil, (for details see page 151).  
99908-0 BIO MULTI TEST VERIFICATION MATERIAL, Gas Oil, (for details see page 151).  
99880-0 FLASHCHECK, pack of 3, (for details see page 156).  
99960-0 DIGITAL PHOTO TACHOMETER, (for details see page 147).

## SPECIFICATIONS

Stirrer:	Two speed, for ASTM D93-IP 34, Methods A and B.
Temperature range:	Ambient to 370°C
Ramp Rate:	Variable, manually controlled
Power:	600W
Voltage:	110/120V, 60Hz 220/240V, 50/60Hz
Size (HxWxD):	32 x 31 x 29cm
Weight:	8kg

## CONSUMABLES - Pensky-Martens

	Qty
2 Years/2000 Tests	
13730-005 SILICONE RUBBER TUBE, 4 metres	1
13661-301 PENSKY-MARTENS CUP	1

## ABEL CLOSED CUP FLASH POINT

## 13032-3 SETA ABEL FLASH POINT TESTER

IP 170; IP 33 (obs); BS 2000 Parts 33 (obs) & 170; ISO 13736

- Conforms to the design of the 'original' Abel flash point tester
- IP 74C and IP 75C thermometers included (IP 170 tests)

A copper water bath, oil cup, gas test jet, manual stirrer, and timing pendulum fitted in a sturdy case.

SUPPLIED WITH: thermometers for the oil cup and water bath, and instruction manual.

## ACCESSORIES - Abel Flash Point Tester

## OPTIONAL

- 13035-0 SETA HEATER ASSEMBLY, stainless steel case with halogen lamp heaters.  
13180-3 SETA ELECTRIC STIRRER, for IP 170. Comprises geared stirrer motor, flexible drive, boss head and stand.  
13666-0 BUTANE REFILL CONTAINER, pack of 10.  
13667-0 PORTABLE GAS TANK, with on/off switch regulator and ignitor, (use with Butane refill container 13666-0).  
22850-0 SETA ENERGY REGULATOR, for heat output control of 13035-0 heater.  
71001-0 SETA VENT, portable fume extractor and draught excluder, excluding flexible ducting.

## THERMOMETERS:

- 13140-0 IP74F, with collar, for tests to IP 33 only, pack of 2.  
13150-0 IP2F, with collar, for tests to IP 33 only, pack of 2.  
13160-0 IP75F, with collar, for tests to IP 33 only, pack of 2.

## CALIBRATION, VERIFICATION &amp; TRAINING

- 99850-0 MULTI-TEST VERIFICATION MATERIAL, IP 170 Kerosine, (for details see page 150).



13032-3



CALIBRATION & VERIFICATION MATERIALS

## SPECIFICATIONS

Size (HxWxD):	31 x 23 x 18cm
Weight:	2.3kg