

## 13220-2 SETA TAG CLOSED CUP TESTER

ASTM D56; D3934; D3941; E502; BS 3900 Parts A8 & A9;  
FTM 791 1101

- Ambient to 93°C temperature range
- Variable ramp rate
- 500ml Bath

The 13220-2 comprises an electrically heated liquid bath, variable ramp rate controller, metal sample cup and a lid with test jet and shutter. The test flame uses either mains gas or can operate from a 13667-0 Portable Gas Tank. The case features an integral drip tray and a bath overflow.

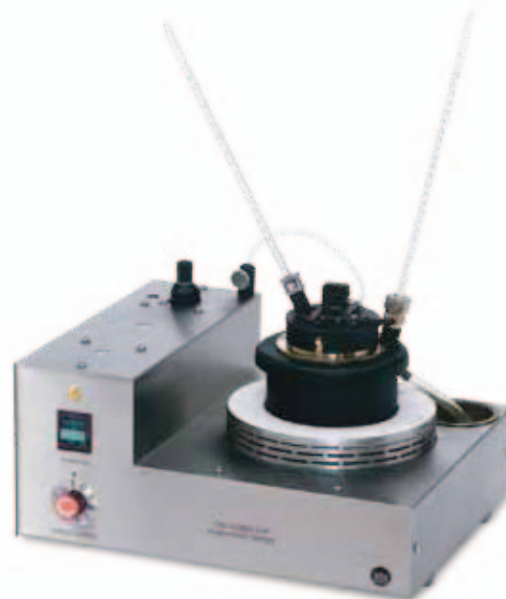
SUPPLIED WITH: instruction manual and mains lead.



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE



13220-2 (Thermometers supplied separately)

## 13230-3 SETA SEMI-AUTOMATIC TAG OPEN CUP TESTER

ASTM D1310; D3413

- Ambient to 93°C temperature range
- Variable ramp rate
- Electrically driven sweep arm

The 13230-3 comprises an electrically heated liquid bath, variable ramp rate controller, glass sample cup and a button-operated, electrically driven sweep arm with test jet. The test flame uses either mains gas or can operate from a 13667-0 Portable Gas Tank. The case features an integral drip tray and a bath overflow.

SUPPLIED WITH: instruction manual and mains lead.



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE



13230-3 (Thermometers supplied separately)

### ACCESSORIES - TAG Flash Point Testers

REQUIRED	13220-2	13230-3
13740-0 SETA THERMOMETER FERRULE AND ADAPTOR, to mount thermometers, pack of 2.	●	
<b>THERMOMETERS:</b>		
ASTM9C/IP15C or ASTM57C	●	
ASTM9C/IP15C or ASTM33C/IP20C or ASTM35C/IP59C		●
<b>OPTIONAL</b>		
13666-0 BUTANE REFILL CONTAINER, pack of 10.	●	●
13667-0 PORTABLE GAS TANK, with on/off switch regulator and ignitor. Suitable for use with Butane refill 13666-0 containers.	●	●
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 SETAPLUS EXTENDED 12 MONTH WARRANTY	●	●
<i>Note: Other items which may be required include: Ethylene glycol, 50ml graduated measure.</i>		
<b>CALIBRATION, VERIFICATION &amp; TRAINING</b>		
99880-0 FLASHCHECK, pack of 3, (for details see page 156).	●	●

### SPECIFICATIONS

Seta Part No:	13220-2	13230-3
Cup Type:	Closed Cup	Open Cup
Temperature Range:	Ambient to 93°C	Ambient to 93°C
Ramp Rate:	Variable, manually controlled	Variable, manually controlled
Bath fluid:	500ml Water or Silicone Fluid	500ml Water or Silicone Fluid
Power:	500W maximum	500W maximum
Voltage:	110/120V, 50/60Hz 220/240V, 50/60Hz	110/120V, 50/60Hz 220/240V, 50/60Hz
Size (HxWxD):	33 x 31 x 29cm	33 x 31 x 29cm
Weight:	5kg	6kg

### CONSUMABLES - TAG Flash Point Testers

2 Years/2000 Tests	Qty 13220-2	Qty 13230-3
11870-001 HEAT CONTROLLER		1
13220-002 TEST CUP	5	
13230-002 GLASS SAMPLE CUP		2
13730-005 SILICONE RUBBER TUBE, 4 metres.	1	1