

## SETAFLASH SMALL SCALE OPEN CUP FLASH POINT

Test methods specified under UN and IATA Dangerous Goods Regulations, and others, determine whether a liquid sustains combustion when heated and exposed to a flame under specified test conditions. Certain substances classified as Flammable by Closed Cup Flash Point Testing may be reclassified as non-flammable by combustibility testing. This has significant potential cost implications for the packaging, storage and shipping of many substances.

### 31000-0 SETAFLASH SERIES 3 OPEN CUP TESTER

ASTM D4206; BS 3900 Part A11; ISO 9038; UN Class 3 Test L. 3; CFR 49-173.120; IATA Dangerous Goods Regs. Section 3.3.5; Health and Safety Comm. Carriage of Dangerous Goods by Road & Rail App. B

- Flash point test in less than 2 minutes
- Small sample size - 2ml
- Ambient to 300°C temperature range
- Audible and on-screen prompts
- Portable operation
- Simple calibration

The Setaflash 31000-0 is a simple to use and reliable open cup tester for flash/no flash, finite determinations or sustained combustion tests within a range of ambient to 300°C.

The manually operated flame sweeping arm is supplied from an integral gas tank that is filled using a standard butane (lighter) refill cartridge. The flash or sustained combustion characteristics of the sample are observed visually while the test flame is passed over the sample.

All functions are accessed via a two button keypad and the Seta Multifunctional And Rotational Test (SMART) control feature. The digital display shows test parameters and instrument status. An audible prompt is sounded when an action is required from the operator.

The instrument is lightweight and suitable for mobile use when operated from the optional 12 volt power supply adaptor.

**SUPPLIED WITH:** 2ml syringe, test flame height gauge, mains lead and instruction manual.



31000-0



BIO-FUEL TESTING



CALIBRATION & VERIFICATION MATERIALS



SETAPLUS EXTENDED WARRANTY AVAILABLE



TECHNICAL DATASHEETS AVAILABLE

SPECIFICATIONS	
Temperature Range:	Ambient to 300°C
Sample Size:	2ml
Test Time:	1 to 99 minutes
Default Values:	1 minute for flash points up to 100°C 2 minutes for flash points between 100 to 300°C
Cup Material:	Blackened Aluminium
Voltage:	110/120V or 220/240V, 50/60Hz (switchable) 12V using optional power supply
Size (HxWxD):	25.6 x 28 x 25.6cm
Weight:	4kg

#### ACCESSORIES - Setaflash Series 3 Open Cup Tester

##### OPTIONAL

13666-0	BUTANE REFILL CYLINDER, pack of 24.
13746-0	DRAUGHT SCREEN, SETAFLASH, size (HxWxD) 36 x 48 x 24cm, stainless steel.
26000-0	LIQUID RECOVERY SYSTEM, with pump and trap to extract and collect hot sample from cup, (for details see page 15)
30005-0	ADAPTOR FOR 12V POWER SUPPLY
30006-0	CARRY CASE, size (HxWxD) 21 x 40 x 30cm.
45000-0	SETAPLUS EXTENDED 12 MONTH WARRANTY

##### CALIBRATION, VERIFICATION & TRAINING

13751-0	THERMOMETER, 0 to 110°C.
13775-0	THERMOMETER, 100 to 300°C.
99928-0	SETATHERM, digital thermometer, -20 to 150°C, (for details see page 140).

#### CONSUMABLES - Setaflash Series 3 Open Cup Tester

2 Years / 2000 Tests	Qty
13730-005 SILICONE RUBBER TUBE, 4 metres.....	2
13740-009 SYRINGE, 2ml .....	1