

Elcometer 6910 Setaflash “Series 3” Closed Cup Tester



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At a glance

- *Ease of operation with minimum skill required.*
- *Digital Display.*
- *Extended operating temperature range, from 0 to 300°C (32 to 572°F).*
- *Thermally activated to detect flash point and reduce risk of inhaling fumes and operator error.*
- *Rechargeable gas tank.*

Can be used in accordance with:	
ASTM D 13278	ASTM D 3828-IP303
BS3900 Part A13	EN456
ISO 3680	ISO 3679
UN Class 3 Non-viscous flammable liquids	

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Combining the latest design standards with the highly successful Setaflash Tester, the new Setaflash Series 3 offers the fastest and most accurate flash point instrument at a cost effective price.

A range of unparalleled features ensures ease of operation and requires a minimum of operator skill. Test parameters are set via the key pad and a digital display provides temperature, sample size, test time, and flash detection status. Default 'auto' values are available for standard test conditions.

An extended operating temperature range allows tests from 0 to 300°C (32 to 572°F). Temperature is factory calibrated but facilities for user verification and calibration are incorporated. Flash point is automatically detected using a thermally activated detector, reducing the risk of operator error and minimising the potential danger of inhaling fumes during a test. A rechargeable gas tank with on/off switch and fine adjustment are integral to the unit. Supplied with a 2ml syringe and ignitor.

The Elcometer 6910 Setaflash Series 3 “Special”, is also available which is the same as the 6910 Setaflash but is fitted with a cup suitable for testing corrosive samples.

Flash Point

When developing any solvent based liquids such as coatings or perfumes, it is imperative that you determine the flashpoint to meet the stringent regulations laid down by most governments around the world and declare it on the material safety data sheet.

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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 materials.

Generally similar to the 6910 Setaflash, but with an open cup for flash/no flash, finite determinations or sustained combustion tests. A manually operated flame sweeping arm is fitted to the cup and gas is supplied from the integral tank via the control valve. The flash or sustained combustion characteristics of the sample are observed visually by passing the test flame over the sample.

At a glance

- *Open cup for with of without flash finite determinations.*
- *Cup fitted with manual flame sweeping arm.*
- *Control valve supplies gas to the integral tank.*
- *Pass the test flame over the sample to view the combustion characteristics.*

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Voltage	115/220V (switchable)
Temperature Range	Ambient to 300°C (572°F)
Sample Size	2ml for flash points up to 100°C (212°F) 4ml for flash points between 100 to 300°C (212 to 572°F)
Test Time	1 to 99 minutes
Default Values	1 minute for flash points up to 100°C (212°F) 2 minutes for flash points between 100 to 300°C (212 to 572°F)
Cup Material	Aluminium
Dimensions	25.6 x 28 x 25.6cm (10.08 x 11.02 x 10.08")
Weight	4 kg (8.8lb)

Model	Description	Part Number
Elcometer 6910/1	Elcometer 6910/1 Setaflash Series 3 Closed Cup Tester	K0006910M010
Elcometer 6910/2	Elcometer 6910/2 Setaflash Series 3 Open Cup Tester	K0006910M011

Related products



Elcometer 7000/1

The Elcometer 7000 setaflash series 7 is an automated closed cup instrument which offers a small sample size and 1 or 2 minute standard test time, together with many automatic features which improve performance and ease of use. The unit also has an integrated printer to generate an immediate report.



Elcometer 7000/2

An enhancement to the Setaflash Series 7 with the additional feature of electronic Peltier cells for rapid heating and cooling. Can be adapted for use with corrosive samples

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