

elcometer®
inspection equipment



Elcometer 6910
Flashpoint

Elcometer 6910/1

Setaflash ‘Series 3’ Closed Cup Tester



STANDARDS:
ASTM D 1655, ASTM D 3278,
ASTM D 3828, ASTM D 3934,
ASTM E 502, BS 3900-A13,
BS 3900-A11, BS 3900-A14,
BS 6664-3, BS 6664-4, EN 456,
ISO 3679, ISO 3680


A wide range of features ensures ease of operation and requires minimum operator skill. Test parameters are set via the keypad and a digital display provides temperature, sample size, test time and flash detection status. Default ‘Auto’ values are available for standard test conditions.

The Elcometer 6910 Closed Cup Tester can test from ambient to 300°C (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 (0.067fl oz) syringe and ignitor.

To test below the ambient temperature, an optional cooling module, suitable for temperatures as low as approximately 5°C (41°F), should be ordered.

Technical Specification C

Part Number			Description	Certificate
UK 240V	EUR 220V	US 110V		
K0UK6910M010	K0006910M010	K0US6910M010	Elcometer 6910/1 Setaflash ‘Series 3’ Closed Cup Tester	
Sample Size and Temperature Range	2ml (0.067fl oz) for Flash Points, from ambient up to 100°C (212°F)			
	4ml (0.135fl oz) for Flash Points between 100°C to 300°C (212°F to 572°F)			
Test Times	Between 1 and 30 minutes (user definable)			
Default Values	1 minute for Flash Points, from ambient up to 100°C (212°F)			
	2 minutes for Flash Points between 100°C to 300°C (212°F to 572°F)			
Cup Material	Aluminium			
Dimensions	256 x 280 x 256mm (10.1 x 11.0 x 10.1”)			
Weight	4kg (8.8lb)			
Packing List	Elcometer 6910 Setaflash ‘Series 3’ closed cup tester, 2ml (0.067fl oz) syringe, gas canister and ignitor, silicone rubber tubing for gas canister to gas jet connection, silicone sample well ‘O’ ring seal for cup/lid (red coloured), viton sample well ‘O’ ring seal for cup/lid (black coloured), mains power cable, automatic flash detector probe, ‘Series 3’ manuals (on CD) and operating instructions			

Accessories

KT006910N001	Cooling Module Option for 5°C (41°F) Ambient Temperature
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○ Optional Calibration Certificate available.

Setaflash ‘Series 3’ Open Cup Tester

The Elcometer 6910/2 Setaflash ‘Series 3’ Open Cup Tester offers the fastest and most accurate Flash Point instrument at a cost effective price.

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 reduction implications for the packaging, storage and shipping of many materials.

The Elcometer 6910 Setaflash features an open cup for flash/no-flash finite determinations or sustained combustion tests, audible and on-screen prompts and easy calibration. Flash Point tests can be conducted in less than two minutes with a temperature range from ambient to 300°C (572°F).


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.

Elcometer 6910/2



STANDARDS:
ASTM D 4206, BS 3900-A11,
ISO 9038

Technical Specification C

Part Number			Description	Certificate
UK 240V	EUR 220V	US 110V		
K0UK6910M011	K0006910M011	K0US6910M011	Elcometer 6910/2 Setaflash ‘Series 3’ Open Cup Tester	
Sample Size and Temperature Range	2ml (0.067fl oz) for Flash Points, from ambient up to 100°C (212°F)			
	4ml (0.135fl oz) for Flash Points between 100°C to 300°C (212°F to 572°F)			
Test Times	1 to 99 minutes			
Default Values	1 minute for Flash Points up to 100°C (212°F)			
	2 minutes for Flash Points between 100°C to 300°C (212°F to 572°F)			
Cup Material	Aluminium			
Dimensions	256 x 280 x 256mm (10.1 x 11 x 10.1”)			
Weight	4kg (8.8lb)			
Packing List	Elcometer 6910 Setaflash ‘Series 3’ open cup tester, 2ml (0.067fl oz) syringe, gas canister and ignitor, silicone rubber tubing for gas canister to gas jet connection, silicone sample well ‘O’ ring seal for cup/lid (red coloured), viton sample well ‘O’ ring seal for cup/lid (black coloured), mains power cable, automatic flash detector probe, ‘Series 3’ manuals (on CD) and operating instructions			

Accessories

KT006910N001	Cooling Module Option for 5°C (41°F) Ambient Temperature
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○ Optional Calibration Certificate available.

Flash Point

Elcometer 6910/3



STANDARDS:

ASTM D 1655, ASTM D 3278,
ASTM D 3828, ASTM D 3934,
ASTM E 502, BS 3900-A11,
BS3900-A13, BS 3900- A14,
BS 6664-3, BS 6664-4, EN 456,
ISO 3679, ISO 3680

Setaflash 'Series 3' Active-Cool Closed Cup Tester

The Setaflash 'Series 3' Active-Cool Tester offers the same features as the Elcometer 6910/1 Setaflash but is fitted with a cup suitable for testing corrosive samples.

It has been designed to carry out Flash/No Flash tests rapidly and efficiently to determine the Flash Point of liquids and semi-solids in the 10°C to 130°C (50°F to 266°F) temperature range.

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 (0.067fl oz) syringe and ignitor.

Features:

- Flash Point test in less than 2 minutes
- Small sample size - 2ml (0.067 fl oz) or 4ml (0.135 fl oz)
- Electronic Peltier cooling effect
- °C or °F display

Technical Specification

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Part Number	Description		Certificate
UK 240V K0UK6910M013	EUR 220V K0006910M013	US 110V K0US6910M013	
	Elcometer 6910/3 Setaflash 'Series 3' Active-Cool		○
Sample Size and Temperature Range	2ml (0.067fl oz) for Flash Points up to 100°C (212°F) 4ml (0.135fl oz) for Flash Points between 100°C to 300°C (212°F to 572°F)		
Test Times	1 to 99 minutes		
Default Values	1 minute for flash points up to 100°C (212°F) 2 minutes for flash points between 100°C to 300°C (212°F to 572°F)		
Cup Material	Corrosion resistant steel		
Dimensions	256 x 280 x 256mm (10.1 x 11.0 x 10.1")		
Weight	5kg (11.3lb)		
Packing List	Elcometer 6910 Setaflash 'Series 3' active-cool closed cup tester, 2ml (0.067fl oz) syringe, gas canister and ignitor, silicone rubber tubing for gas canister to gas jet connection, silicone sample well 'O' ring seal for cup/lid (red coloured), viton sample well 'O' ring seal for cup/lid (black coloured), mains power cable, automatic flash detector probe, 'Series 3' manuals (on CD) and operating instructions		

○ Optional Calibration Certificate available.