



elcometer®  
inspection equipment

Elcometer 6910  
Flash Point

## Elcometer 6910

## Setaflash 'Series 8' Closed Cup Tester



## STANDARDS:

ASTM D3278, ASTM D3828,  
ASTM D7236, ASTM E502,  
BS 2000-523, CLP Regulations EC  
No 1272/2008, EPA 1020 A & B,  
ISO 3679, ISO 3680,  
UN Class 3 Non-viscous Flammable  
Liquids

The Elcometer 6910 Setaflash 'Series 8' is an automated closed cup tester with a temperature range of ambient to 300°C (ambient to 572°F).

Test parameters, instrument status and flash point results are shown on the bright colour LCD display - all easily accessed via menus, navigated by the keypad, which guides the operator through a straightforward testing process.

The instrument uses an electric hot wire ignitor and is designed with two modes of flash point operation; Flash/No Flash and Ramp. Ramp Mode increases the sample temperature at the rate of 2°C/min and automatically dips the ignitor every 1°C up to 100°C (every 2°C above 100°C), until either a flash is detected or the end of test temperature is reached.

During the test the automatic flash point is set to ignore halo and other false flash effects reducing the risk of inaccurate test results and enhancing repeatability. At the end of the flash point test, the sample cup is cooled by forced air to reduce the cycle time between tests.

Up to 64 results can be stored in the memory which can be downloaded to a PC or printer via USB for further reporting.

- Small sample size, 2ml (0.067fl oz) or 4ml (0.135fl oz)
- Flash/No Flash & Ramp Modes
- Electric ignitor
- Automatic dipping and flash detection
- Forced air cooling for rapid test cycling

## Technical Specification

Part Number	Description	Certificate
K6910M020	Elcometer 6910 Setaflash 'Series 8' Closed Cup Tester	●
Temperature Range	Ambient to 300°C (Ambient to 572°F)	
Sample Size	2ml (0.067fl oz) or 4ml (0.135fl oz) according to method	
Test Modes	Rapid Equilibrium and Ramp	
Test Duration Rapid Equilibrium Mode	1 minute below 100°C (212°F), 2 minutes above 100°C (212°F)	
Test Duration Ramp Mode	Typically 7 minutes	
Cool Down Time	80°C to 20°C (176°F to 68°F) in 4 minutes	
Cup Material	Aluminium	
Dimensions	300 x 340 x 380mm (11.8 x 13.4 x 15.0")	
Weight	8kg (17.6lb)	
Packing List	Elcometer 6910 Setaflash 'Series 8' Closed Cup Tester, mains power cable, 2ml (0.067fl oz) syringe, programming plug, 2mm Allen key, 2.5mm Allen key, 'O' ring fitted, certified flash point material (50ml/1.7fl oz), quality assurance certificate and operating instructions	

## Accessories

KT006910N009 Certified Flash Point Material (50ml/1.7fl oz)

● Calibration Certificate supplied as standard.

## Setaflash 'Series 8' Active-Cool Closed Cup Tester

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The Elcometer 6910 Setaflash 'Series 8' Active-Cool Closed Cup Tester offers the same features as the Setaflash 'Series 8' Closed Cup Tester but is designed with a temperature range of -30°C to 135°C (-22°F to 275°F) with no external cooling required and operates with an electric ignition.

This Active Cool Closed Cup Tester uses the Peltier cell technology for heating and cooling, ensuring precise temperature control and rapid cool down after a test is completed.

- Small sample size, 2ml (0.067fl oz) or 4ml (0.135fl oz)
- Flash/No Flash & Ramp Modes
- Electric ignitor
- Automatic dipping and flash detection
- Active-Cool electronic Peltier cooling
- 1GB internal memory & integrated USB port



#### STANDARDS:

ASTM D3278, ASTM D3828,  
ASTM D7236, ASTM E502,  
BS 2000-523,  
CLP Regulations EC No 1272/2008,  
EPA 1020 A & B, ISO 3679, ISO 3680,  
UN Class 3 Non-viscous Flammable  
Liquids

### Technical Specification

Part Number	Description	Certificate
<b>K6910M021</b>	Elcometer 6910 Setaflash 'Series 8' Active-Cool Closed Cup Tester	●
Temperature Range	-30°C to 135°C (-22°F to 275°F)	
Sample Size	2ml (0.067fl oz) or 4ml (0.135fl oz) according to method	
Test Modes	Rapid Equilibrium and Ramp	
Test Duration Rapid Equilibrium Mode	1 minute below 100°C (212°F), 2 minutes above 100°C (212°F), FAME 1 minute or user defined 1 to 99 minutes	
Test Duration Ramp Mode	Typically 7 minutes	
Cool Down Time	80°C to 20°C (176°F to 68°F) in 4 minutes	
Cup Material	Aluminium	
Dimensions	300 x 340 x 380mm (11.8 x 13.4 x 15.0")	
Weight	8kg (17.6lb)	
Packing List	Elcometer 6910 Setaflash 'Series 8' Active-Cool Closed Cup Tester, 2ml (0.067fl oz) syringe, ignitor, mains power cable, programming plug, 2mm Allen key, 2.5mm Allen key, certified flash point material (50ml/1.7fl oz), certificate of calibration, warranty registration form and operating instructions	

### Accessories

**KT006910N009** Certified Flash Point Material (50ml/1.7fl oz)

- Calibration Certificate supplied as standard.

## Elcometer 6910

## Setaflash 'Series 8' Active-Cool (Corrosion Resisting)



The Elcometer 6910 Setaflash 'Series 8' Active-Cool (Corrosion Resisting) offers the same feature as the Active Cool Closed Cup Tester but comes with a corrosion resisting insert in the cup for testing corrosive samples.

It has been designed to carry out flash/no flash tests with a temperature range of -30°C to 135°C (-22°F to 275°F) with no external cooling required.

There is also the Ramp Mode which increases the sample temperature at the rate of 2°C/min and automatically dips the ignitor every 1°C up to 100°C (every 2°C above 100°C), until either a flash is detected or the end of test temperature is reached.



- Small sample size, 2ml (0.067fl oz) or 4ml (0.135fl oz)
- Flash/No Flash & Ramp Modes
- Electric ignitor
- Automatic dipping and flash detection
- ActiveCool electronic Peltier cooling
- 1GB internal memory & integrated USB port
- Corrosion resisting insert

## STANDARDS:

ASTM D3278, ASTM D3828,  
ASTM D7236, ASTM E502,  
BS 2000-523,  
CLP Regulations EC No 1272/2008,  
EPA 1020 A & B, ISO 3679,  
ISO 3680, UN Class 3 Non-viscous  
Flammable Liquids

## Technical Specification

Part Number	Description	Certificate
K6910M022	Elcometer 6910 Setaflash 'Series 8' Active-Cool (Corrosion Resisting)	●
Temperature Range	-30°C to 135°C (-22°F to 275°F)	
Sample Size	2ml (0.067fl oz) or 4ml (0.135fl oz) according to method	
Test Modes	Rapid Equilibrium and Ramp	
Test Duration Rapid Equilibrium Mode	1 minute below 100°C (212°F), 2 minutes above 100°C (212°F), FAME 1 minute or user defined 1 to 99 minutes	
Test Duration Ramp Mode	Typically 7 minutes	
Cool Down Time	80°C to 20°C (176°F to 68°F) in 4 minutes	
Cup Material	Corrosion Resistant Steel Insert, Aluminium Cup	
Dimensions	300 x 340 x 380mm (11.8 x 13.4 x 15.0")	
Weight	8kg (17.6lb)	
Packing List	Elcometer 6910 Setaflash 'Series 8' Active-Cool (Corrosion Resisting), 2ml (0.067fl oz) syringe, flash detector, mains power cable, programming plug, 2mm Allen key, 2.5mm Allen key, certified flash point material (50ml/1.7fl oz), certificate of calibration, warranty registration form and operating instructions	

## Accessories

KT006910N009 Certified Flash Point Material (50ml/1.7fl oz)

● Calibration Certificate supplied as standard.

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