# data sheet

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# Elcometer 6910 Setaflash "Series 3" Closed Cup Tester



*Elcometer 6910 Setaflash "Series 3" Closed Cup Tester*

## 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 | |

**Elcometer 6910 Setaflash "Series 3" Closed Cup Tester**
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.

\* *Additional Cooling Module required.*

**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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# Elcometer 6910 Setaflash "Series 3" Open Cup Tester



*Elcometer 6910 Setaflash "Series 3" Open Cup Tester*

**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.*

**Elcometer 6910 Setaflash "Series 3" Open Cup Tester**

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.

| 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 | |

| | |
|---|---|
| **Voltage** | 115/220V (switchable) |
| **Temperature Range** | Elcometer 6910/1 Closed Cup Tester: Ambient to 300°C (572°F). 0 to 300°C (32 to 572°F) when used with Cooling Module<br><br>Elcometer 6910/2 Open Cup Tester: 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 | | |
|---|---|---|---|---|
| | | **UK 240V** | **EUR 220V** | **US 110V** |
| Elcometer 6910/1 | Setaflash Series 3 Closed Cup Tester | K0UK6910M010 | K0006910M010 | K0US6910M010 |
| Elcometer 6910/2 | Setaflash Series 3 Open Cup Tester | K0UK6910M011 | K0006910M011 | K0US6910M011 |
| **Accessories** | Cooling Module for Elcometer 6910/1 *Allows tests from 0 to 300°C (32 to 572°F).* | KT006910N001 | | |