

Elcometer 6300 Colour Assessment Cabinets



Elcometer 6300 Colour Assessment Cabinets

At a glance

- *Range of sizes & light sources available to meet your specific requirements.*
- *Manual operation or digital programmable sequencing.*
- *Available in UK 240V, EURO 230V and US 110V options*

Can be used in accordance with:

AS/NZS 1580.601.1
 ASTM D1729
 ASTM D 4086
 BS-950-1
 ISO 3668
 JIS K 5600-4-3
 SAE J361
 TAPPI T 515

- Light sources can be controlled, sequenced and programmed independently of each other.
- Accurate colour comparison as well as easy detection of metamerism.
- Constructed of fabricated steel, the Elcometer 6300 range significantly is lighter than MDF light cabinets available on the market.
- All Elcometer 6300 light cabinets are painted using Munsell N7 paint which has a matt, none reflective finish to minimize glare.

Complies with the following standards:

ASTM D1729
 SAE J361
 Tappi 7515
 BS-950 Part 2
 AS 1580.6001.1

Light sources include:

D65 - Artificial Daylight
 TL84 / CWF - Euro / USA point of sale illumination
 Illuminant A - Filament bulbs found in domestic environments
 TL83 - Alternative point of sale light
 UV - ultraviolet

Elcometer 6300 Colour Assessment Cabinets.

The Elcometer 6300 range of Colour Assessment Cabinets provide a controlled environment for viewing colour samples and are suitable for any industry where there is a need to maintain colour consistency and quality. These include paint, textiles, automotive, ceramics, cosmetics, dyeing, food, footwear, inks, packaging, printing etc.

The Elcometer 6300 cabinets also allow the easy detection of metamerism. Metamerism is commonly discussed in the terms of illuminants, where two samples that are spectrally matched (exactly the same) match under one illuminant, but not another. For example two car door panels appear the same colour in daylight, but under a streetlight at night appear completely different colours.

The Elcometer 6300 range have a choice of 3, 4 or 5 light source cabinets in a range of sizes and functionality to suit your particular requirements.

Colour

When assessing colour, industry standards require that viewing conditions meet strict specifications with regard to colour quality, light intensity, evenness of illumination, viewing / illumination geometry and surround conditions.

The Elcometer 6300 range of colour assessment cabinets assure accurate visual colour assessment and colour comparison as well as easy detection of metamerism.

Any industry that uses colour, can benefit from using Elcometer 6300 Light Cabinets to ensure their colour samples match under different lighting conditions.

Model	Number of Light Sources				
	D65	TL84 or CWF	Illuminant A	UV	TL83
Elcometer 6300 MM-1E	•	•	•		
Elcometer 6300 MM-1EUUV65	•	•	•	•	
Elcometer 6300 MM-2E	•	•	•		
Elcometer 6300 MM-2EUUV65	•	•	•	•	
Elcometer 6300 MM-4E	•	•	•	•	•

Model	Control Type	Lamp Timer	Dimensions (HxWxD)
Elcometer 6300 MM-1E	Manual	Optional	483 x 660 x 432mm / 19 x 26 x 17"
Elcometer 6300 MM-1EUUV65	Manual	Optional	483 x 660 x 432mm / 19 x 26 x 17"
Elcometer 6300 MM-2E	Manual	Optional	457 x 580 x 330mm / 18 x 20 x 13"
Elcometer 6300 MM-2EUUV65	Manual	Optional	457 x 580 x 330mm / 18 x 20 x 13"
Elcometer 6300 MM-4E	Digital	Standard	483 x 685 x 483mm / 19 x 27 x 19"

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 6300/1	Elcometer 6300 MM-2E Light Cabinet	K0UK6300M001	K0006300M001	K0US6300M001
Elcometer 6300/2	Elcometer 6300 MM-1E Light Cabinet	K0UK6300M002	K0006300M002	K0US6300M002
Elcometer 6300/3	Elcometer 6300 MM-4E Light Cabinet	K0UK6300M003	K0006300M003	K0US6300M003
Elcometer 6300/201	Elcometer 6300 MM-2E UV/65 Light Cabinet	K0UK6300M201	K0006300M201	K0US6300M201
Elcometer 6300/202	Elcometer 6300 MM-1E UV/65 Light Cabinet	K0UK6300M202	K0006300M202	K0US6300M202
Accessories	Elcometer 6300 MM-2E Lamp Kit	KTUK6300P001	KT006300P001	KTUS6300P001
	Elcometer 6300 MM-1E Lamp Kit	KTUK6300P002	KT006300P002	KTUS6300P002
	Elcometer 6300 MM-4E Lamp Kit	KTUK6300P003	KT006300P003	KTUS6300P003
	Elcometer 6300 MM-2E UV/65 Lamp Kit	KTUK6300P201	KT006300P201	KTUS6300P201
	Elcometer 6300 MM-1E UV/65 Lamp Kit	KTUK6300P202	KT006300P202	KTUS6300P202

Related Products



Elcometer 407 Statistical Glossmeter

A handheld gauge for measuring gloss at 20°, 60° and 85° and can be connected to the Elcometer Novo-Soft™ Software for further analysis and archiving.



Elcometer 6210 RAL Colour Charts

A system of reference colours enabling many industrial products to be identified, compared and classified.



Available either in the form of compact colour charts or in separate sheets of different sizes, with or without colourmetric identification, separately or in groups supplied in a file or a box.