

# Elcometer 1800 Density Cup



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The Elcometer 1800 is a stainless steel or anodised aluminium precision cup for determining the specific gravity or density of paints and similar products.

The instrument consists of a cylindrical container and lid with a hole for the exhaust of excess liquid.

Can be used in accordance with

- ASTM D 891-B
- ASTM D 1475
- DIN 53217-2
- FTMS 141 4183
- ISO 2811-1
- JIS K 5600-2-4
- NBN T22-110
- NFT 30-020

*Standards in grey have been superceded but are still recognised in some industries.*

### Density

To maintain consistency of a coating, the Density should remain constant from batch to batch.

Density Cups, also known as Specific Gravity Cups or Picnometers, are used to determine the mass per unit volume (Specific Gravity) of a liquid at a given temperature.

Specific Gravity is defined as the ratio of the density of a given substance to the density of water, when both are at the same temperature.

As the Specific Gravity Cup is an exact measurement of the volume of the liquid, it is imperative that the exact weight of the sample is obtained.

Elcometer offers a range of cups and laboratory balances for accurate measurements during the development of a coating.

TECHNICAL SPECIFICATION		
Part Number	Description	Capacity
K0001800M001	Elcometer 1800/1 Density Cup stainless steel	50cc
K0001800M002	Elcometer 1800/2 Density Cup stainless steel with calibration certificate	50cc
K0001800M005	Elcometer 1800/5 Density Cup stainless steel	100cc
K0001800M006	Elcometer 1800/6 Density Cup stainless steel with calibration certificate	100cc

## Related products



Elcometer 8720

### Elcometer 8720 KB Balance

The Elcometer 8720 KB is a compact, low cost balance which offers extensive weighing functions selectable by the user. There are two models available in two scale ranges. The Elcometer 8720/1 and Elcometer 8720/2 Balances are very easy to use and supplied with a protective working cover and adjusting weight to allow the user to quickly adjust the calibration.