

Elcometer 1800 Density Cup

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

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



STANDARDS:

ASTM D 891-B, ASTM D1475, DIN 53217-2,
FTMS 141 4183, ISO 2811-1, JIS K 5600-2-4,
NBN T22-110, NFT 30-020

Technical Specification

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Part Number	Description	Volume/ Capacity	Certificate
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	●

How to use a Density Cup:

- Weigh the Cup and Lid when empty
- Fill with the liquid
- Place lid on the Cup, removing excess liquid*
- Weigh the Density Cup when full
- Divide the weight by the cup volume/capacity to determine the Specific Gravity

*Each Cup has an escape hole in the lid to allow excess liquid to escape. Any excess liquid should be removed before weighing.

The formulae for calculating Density and Specific Gravity are:

$$\text{Density} = \frac{\text{Weight}}{\text{Unit Volume}}$$

Note: 50cc = 50cm³ = Volume
100cc = 100cm³ = Volume

$$\text{Specific Gravity} = \frac{\text{Density of the Material}}{\text{Density of Water at the Same Temperature}}$$

● Certificate supplied as standard.