

# Elcometer 1800 Density Cup Stainless Steel

Can be used in accordance with Test Methods:  
 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



The Density of a coating should remain constant from batch to batch. Also known as Density Cups or Specific Gravity Cups, Pycnometers are used to determine the specific weight per unit volume of a liquid at a given temperature.

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

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

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

## Technical Specification

Part Number	Description	Volume	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	•

## Packing List

- Elcometer 1800 Specific Gravity Cup
- Storage case
- Operating instructions