

Elcometer 2434 to 2437 Frikmar Viscosity Dip Cups

Can be used in accordance with:

DIN: DIN 53211 (Cup 4 only)*; FORD/ASTM: ASTM D 1200, ASTM D 5125;
ISO: AS/NZS 1580.214.6:1995, ISO 2431; AFNOR: NF T30-014*



Thanks to its handle, the Elcometer Frikmar Viscosity Dip Cup is very easy to use to perform viscosity checks on site or during the manufacturing process.

It is ideal for measuring the consistency of paints, varnishes and other similar products.

Simply dip the cup into the product to be measured, lift it out and measure how long it takes for the contents to empty through the orifice.

The measured kinematic viscosity is generally expressed in seconds (s) flow time, which can be converted to Centistokes (cSt) if the Standard stipulates a conversion method.

Several ranges are available, according to the Standards being used; from 7 to 1100cSt.

Videos



How to measure viscosity using Elcometer Dip Cups (Click on the image to the left to view the video)

When measuring the viscosity of a liquid, it is a common misconception that you are measuring how thick or thin a liquid is. What you are really measuring is the resistance a fluid has to flow.

There are a number of ways to measure the viscosity of a liquid, one of which is dip cups.

* Standards not in bold have been superseded but are still recognised in some industries.

Technical Specifications

DIN Viscosity Dip Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt) ¹	Certificate
K0002434M001	Elcometer 2434/1 DIN Dip Cup	2	2mm	-	◇
K0002434M002	Elcometer 2434/2 DIN Dip Cup	4	4mm	96-683	◇
K0002434M003	Elcometer 2434/3 DIN Dip Cup	6	6mm	-	◇
K0002434M004	Elcometer 2434/4 DIN Dip Cup	8	8mm	-	◇
K0002434M001C	Elcometer 2434/1 with calibration certificate	2 (d)	2mm	-	●(d)
K0002434M002C	Elcometer 2434/2 with calibration certificate	4 (e)	4mm	96-683	●(e)
K0002434M003C	Elcometer 2434/3 with calibration certificate	6 (d)	6mm	-	●(d)
K0002434M004C	Elcometer 2434/4 with calibration certificate	8 (d)	8mm	-	●(d)

FORD/ASTM Viscosity Dip Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt) ¹	Certificate
K0002435M001	Elcometer 2435/1 FORD/ASTM Dip Cup	4	4.12mm	70-370	◇
K0002435M001C	Elcometer 2435/1 with calibration certificate	4 (e)	4.12mm	70-370	●(e)

ISO Viscosity Dip Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt) ¹	Certificate
K0002437M002	Elcometer 2437/2 ISO Dip Cup	3	3mm	7-42	◇
K0002437M003	Elcometer 2437/3 ISO Dip Cup	4	4mm	34-135	◇
K0002437M006	Elcometer 2437/6 ISO Dip Cup	5	5mm	91-326	◇
K0002437M004	Elcometer 2437/4 ISO Dip Cup	6	6mm	188-684	◇
K0002437M005	Elcometer 2437/5 ISO Dip Cup	8	8mm	-	◇
K0002437M002C	Elcometer 2437/2 with calibration certificate	3 (e)	3mm	7-42	●(e)
K0002437M003C	Elcometer 2437/3 with calibration certificate	4 (e)	4mm	34-135	●(e)
K0002437M006C	Elcometer 2437/6 with calibration certificate	5 (e)	5mm	91-326	●(e)
K0002437M004C	Elcometer 2437/4 with calibration certificate	6 (e)	6mm	188-684	●(e)
K0002437M005C	Elcometer 2437/5 with calibration certificate	8 (d)	8mm	-	●(d)

AFNOR Viscosity Dip Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt) ¹	Certificate
K0002436M001	Elcometer 2436/1 AFNOR Dip Cup	4	3.99mm	50-1100	◇
K0002436M001C	Elcometer 2436/1 with calibration certificate	4 (d)	3.99mm	50-1100	●(d)

¹ For information only

(d) Dimensional certificate

(e) Efflux Time Certificate

• Calibration Certificate supplied as standard

◇ Batch Calibration Certificate supplied as standard

Packing List

Elcometer Viscosity Flow Cups

Operating Instructions

Accessories



K0007300M201 Elcometer 7300 High Precision Stopwatch



KT002400N003 KT002400N003 Elcometer 2400 Conversion Disc
 Allowing viscosity (cSt) and flow times of different cups to be calculated.
 Front: No.4 cups according to AFNOR, BS, NF, ASTM, DIN, Zahn 2
 Back: No.3-4-5-6 cups according to ISO and Zahn 3

Thermometers



- T1164441- Spirit Thermometer in °C
- G212----1A Elcometer 212 Digital Pocket Thermometer °C with Liquid Probe
- G213----2 Elcometer 213/2 Digital Thermometer °C
- T9996390- Elcometer 213/2 Liquid Probe

ElcoCalc™ Mobile App

Save time converting viscosity cup flow time into Centistokes (cSt) by using Elcometer's free app, ElcoCalc™, available from the Android or Apple App stores.

Fast and easy to use, ElcoCalc™ instantly converts viscosity cup flow time in seconds into Centistokes (cSt).

ElcoCalc™ works out the viscosity in Centistokes for you – simply choose your cup type, enter the flow time, and ElcoCalc™ does the rest.

