

Elcometer 2350 to 2354 Viscosity Flow Cups

Can be used in accordance with the following standards:

ISO: ISO 2431; **AS/NZS*:** AS/NZS 1580.214.2 (cup 4); AS/NSZ 1580.214.6:1995; **BS:** BS 3900-A6:1971*; **FORD/ASTM:** ASTM D 1200, D 5125; **DIN:** DIN 53211 (cup 4)*; **AFNOR:** NF T30-014*



Viscosity Flow Cups are very easy to use instruments made of anodized aluminium with a stainless steel orifice, for measuring the consistency of paints, varnishes and similar products. The measured kinematic viscosity is generally expressed in seconds(s) flow time. If the Standards stipulate conversion methods the flow time can be converted into Centistokes (cSt) using the Elcometer ElcoCalc™ Mobile App.

Calibration certificates which offer traceability and assurance that each viscosity cup has been individually tested and comply to Standards are also available. The cups can be supplied separately or with an adjustable stand which includes a precision level and an overflow glass draw plate. They can also be supplied with a flow jacket for temperature control (thermojacket).

* Standards not in bold have been superseded but are still recognised in some industries.

Technical Specifications

BS Viscosity Flow Cups

Part Number	Description	Cup No.	Orifice Diameter	Range (cSt) ¹	Cert.
K0002354M003	Elcometer 2354/3 BS Viscosity Flow Cup	4	3.97mm	89-340	◇
K0002354M004	Elcometer 2354/4 BS Viscosity Flow Cup	5	4.76mm	79-441	◇
K0002354M003C	Elcometer 2354/3 with calibration certificate	4 (d)	3.97mm	89-340	• (d)
K0002354M004C	Elcometer 2354/4 with calibration certificate	5 (d)	4.76mm	79-441	• (d)

DIN Viscosity Flow Cups

Part Number	Description	Cup No.	Orifice Diameter	Range (cSt) ¹	Cert.
K0002350M001	Elcometer 2350/1 DIN Viscosity Flow Cup	2	2mm	-	
K0002350M002	Elcometer 2350/2 DIN Viscosity Flow Cup	4	4mm	96-683	◇
K0002350M003	Elcometer 2350/3 DIN Viscosity Flow Cup	6	6mm	-	
K0002350M004	Elcometer 2350/4 DIN Viscosity Flow Cup	8	8mm	-	
K0002350M001C	Elcometer 2350/1 with calibration certificate	2	2mm	-	• (d)
K0002350M002C	Elcometer 2350/2 with calibration certificate	4	4mm	96-683	• (e)
K0002350M003C	Elcometer 2350/3 with calibration certificate	6	6mm	-	• (d)
K0002350M004C	Elcometer 2350/4 with calibration certificate	8	8mm	-	• (e)

FORD/ASTM Viscosity Flow Cups

Part Number	Description	Cup No.	Orifice Diameter	Range (cSt) ¹	Cert.
K0002351M001	Elcometer 2351/1 FORD/ASTM Viscosity Flow Cup	1	1.90mm	10-35	◇
K0002351M002	Elcometer 2351/2 FORD/ASTM Viscosity Flow Cup	2	2.53mm	25-120	◇
K0002351M003	Elcometer 2351/3 FORD/ASTM Viscosity Flow Cup	3	3.40mm	49-220	◇
K0002351M004	Elcometer 2351/4 FORD/ASTM Viscosity Flow Cup	4	4.12mm	70-370	◇
K0002351M005	Elcometer 2351/5 FORD/ASTM Viscosity Flow Cup	5	5.20mm	200-1200	◇
K0002351M001C	Elcometer 2351/1 with calibration certificate	1	1.90mm	10-35	•(e)
K0002351M002C	Elcometer 2351/2 with calibration certificate	2	2.53mm	25-120	•(e)
K0002351M003C	Elcometer 2351/3 with calibration certificate	3	3.40mm	49-220	•(e)
K0002351M004C	Elcometer 2351/4 with calibration certificate	4	4.12mm	70-370	•(e)
K0002351M005C	Elcometer 2351/5 with calibration certificate	5	5.20mm	200-1200	•(e)

ISO Viscosity Flow Cups

Part Number	Description	Cup No.	Orifice Diameter	Range (cSt) ¹	Cert.
K0002353M001	Elcometer 2353/1 ISO Viscosity Flow Cup 3	3mm	7-42	◇	
K0002353M002	Elcometer 2353/2 ISO Viscosity Flow Cup 4	4mm	34-135	◇	
K0002353M003	Elcometer 2353/3 ISO Viscosity Flow Cup 5	5mm	91-326	◇	
K0002353M004	Elcometer 2353/4 ISO Viscosity Flow Cup 6	6mm	188-684	◇	
K0002353M005	Elcometer 2353/5 ISO Viscosity Flow Cup 8	8mm	-		
K0002353M001C	Elcometer 2353/1 with calibration certificate	3mm	7-42	•(e)	
K0002353M002C	Elcometer 2353/2 with calibration certificate	4mm	34-135	•(e)	
K0002353M003C	Elcometer 2353/3 with calibration certificate	5mm	91-326	•(e)	
K0002353M004C	Elcometer 2353/4 with calibration certificate	6mm	188-684	•(e)	
K0002353M005C	Elcometer 2353/5 with calibration certificate	8mm	-	•(d)	

AFNOR Viscosity Flow Cups

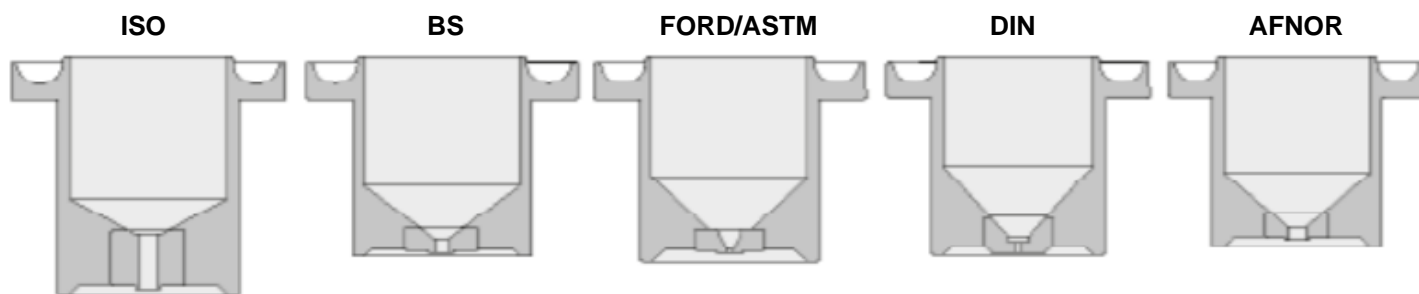
Part Number	Description	Cup No.	Orifice Diameter	Range (cSt) ¹	Cert.
K0002352M001	Elcometer 2352/1 AFNOR Viscosity Flow Cup	2.5	2.46mm		
K0002352M002	Elcometer 2352/2 AFNOR Viscosity Flow Cup	4	4mm		
K0002352M003	Elcometer 2352/3 AFNOR Viscosity Flow Cup	6	6mm		
K0002352M001C	Elcometer 2352/1 with Calibration Certificate	2.5	2.46mm	•(d)	
K0002352M002C	Elcometer 2352/2 with Calibration Certificate	4	4mm	•(d)	
K0002352M003C	Elcometer 2352/3 with Calibration Certificate	6	6mm	•(d)	

¹ For information only

(d) Dimensional Certificate
(e) Efflux Time Certificate

• Calibration Certificate supplied as standard
◇ Batch Calibration Certificate supplied as standard

Viscosity Flow Cups - Cup Designs



Packing List

Elcometer Viscosity Flow Cups
 Operating Instructions



Accessories

	Part Number KT002400N201	Description Viscosity Cup Stand with Bubble Level and Glass Draw Plate To ensure the viscosity cup is positioned correctly to carry out the test.
	KT002400N001	Viscosity Cup Precision Stand with Bubble Level and Glass Draw Plate To ensure the viscosity cup is positioned correctly to carry out the test.
	KT002400P001	Bubble Level for Viscosity Cup To ensure the viscosity cup is parallel to the surface.
	KT002400P999	Viscosity Glass Draw Plate To retain test sample until operator is ready to commence test and provides surface for bubble level.
	KT002400N002	Double-walled Stand with Thermo jacket For heating test samples for viscosity measurement at specific elevated temperatures.
	KT002400N201	Elcometer 7300 High Precision Stopwatch
	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

Video



YouTube Video - How to measure viscosity using Elcometer Flow Cups
 (Click on the image to the left to view the video)

A flow cup is a cup of a specified size and volume, with an overflow channel at the top, and a hole of a defined size in the bottom. And they are available in a range of designs in accordance with National and International Standards, with various orifice diameters to suit different viscosities.



