

elcometer® 2350 to 2354 Viscosity Flow Cups BS, DIN, FORD, ISO, AFNOR

Can be used in accordance with:

ISO 2431, AS/NZS 1580.214.2 (cup 4), AS/NSZ 1580.214.6:1995, 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, the Elcometer 2400 Conversion Disc or the Viscosity Cup Conversion table (available as a pdf). 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).

Technical Specifications

DIN Viscosity Flow Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt)¹	Certificate
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 Number	Orifice Diameter	Range (cSt)¹	Certificate
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)

AFNOR Viscosity Flow Cups

Part Number	Description	Cup Number	Orifice Diameter	Range²	Certificate
K0002352M001	Elcometer 2352/1 AFNOR Viscosity Flow Cup	2.5	2.46mm	5-140	
K0002352M002	Elcometer 2352/2 AFNOR Viscosity Flow Cup	4	4mm	50-1100	
K0002352M003	Elcometer 2352/3 AFNOR Viscosity Flow Cup	6	6mm	510-5100	
K0002352M001C	Elcometer 2352/1 with Calibration Certificate	2.5	2.46mm	5-140	•(d)
K0002352M002C	Elcometer 2352/2 with Calibration Certificate	4	4mm	50-1100	•(d)
K0002352M003C	Elcometer 2352/3 with Calibration Certificate	6	6mm	510-5100	•(d)

ISO Viscosity Flow Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt)¹	Certificate
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	3	3mm	7-42	•(e)
K0002353M002C	Elcometer 2353/2 with calibration certificate	4	4mm	34-135	•(e)
K0002353M003C	Elcometer 2353/3 with calibration certificate	5	5mm	91-326	•(e)
K0002353M004C	Elcometer 2353/4 with calibration certificate	6	6mm	188-684	•(e)
K0002353M005C	Elcometer 2353/5 with calibration certificate	8	8mm	-	•(d)

BS Viscosity Flow Cups

Part Number	Description	Cup Number	Orifice Diameter	Range (cSt)¹	Certificate
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)

¹ For information only

(d) Dimensional Certificate

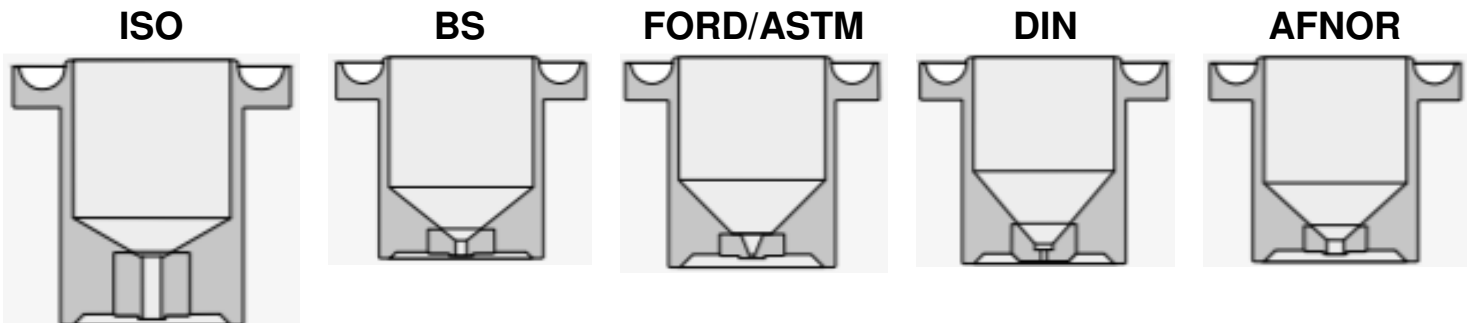
(e) Efflux Time Certificate

• Calibration Certificate supplied as standard

◇ Batch Calibration Certificate supplied as standard

² Afnor does not convert to cSt and Kinematic Viscosity is measured in seconds flow time

Viscosity Flow Cups - Cup Designs



Accessories

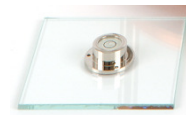


- KT002400N201 **Viscosity Cup Stand with Bubble Level and Glass Draw Plate**
To ensure the viscosity cup is positioned correctly to carry out the test.



- 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**

- 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 Thermojacket**
For heating test samples for viscosity measurement at specific elevated temperatures.



- K0007300M201 **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 with Liquid Probe
G213----2 Elcometer 213/2 Digital Thermometer
T9996390- Elcometer 213/2 Liquid Probe

ElcoCalc™ Mobile App



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

ElcoCalc™ is free software that is available on Android and the App Store. Compatible with Android™ mobile devices running Android™ 2.1 or later and also iPod, iPhone and iPad running iOS 4.0 or later.

Viscosity Oils

For a full range of Certified Calibration Oils please see the separate leaflet



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