

elcometer®
inspection equipment



Elcometer Frikmar
Viscosity Dip Cups

Elcometer 2437 & 2435

Viscosity Dip Cups - Frikmar



Thanks to its handle, this cup is very easy to use to perform 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.

STANDARDS:

DIN: DIN 53211 (cup 4 only)
FORD/ASTM: ASTM D 1200, D 5125
ISO: ISO 2431
AFNOR: NF T30-014



Technical Specification

C

ISO Viscosity Dip Cups

Part Number	Description	Orifice Diameter	Range ¹ (cSt)	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	3mm	7 - 42	● (e)
K0002437M003C	Elcometer 2437/3 with calibration certificate	4mm	34 - 135	● (e)
K0002437M006C	Elcometer 2437/6 with calibration certificate	5mm	91 - 326	● (e)
K0002437M004C	Elcometer 2437/4 with calibration certificate	6mm	188 - 684	● (e)
K0002437M005C	Elcometer 2437/5 with calibration certificate	8mm	-	● (d)

FORD/ASTM Viscosity Dip Cups

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



For a full range of Calibration Oils see page 4

¹ For Information Only

(d) Dimensional Certificate

(e) Efflux Time Certificate

● Calibration Certificate supplied as standard. ◇ Batch Calibration Certificate supplied as standard.

Viscosity Dip Cups - Frikmar

Elcometer 2434 & 2436

Technical Specification

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DIN Viscosity Dip Cups

Part Number	Description	Orifice Diameter	Range ¹ (cSt)	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	2mm	-	● (d)
K0002434M002C	Elcometer 2434/2 with calibration certificate	4mm	96 - 683	● (e)
K0002434M003C	Elcometer 2434/3 with calibration certificate	6mm	-	● (d)
K0002434M004C	Elcometer 2434/4 with calibration certificate	8mm	-	● (d)

AFNOR Viscosity Dip Cups

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

Viscosity - Standard Calibration Oils

Elcometer 2410



Elcometer Viscosity Cup Standard Calibration Oils

In order to check the viscosity cup's calibration or to certify it for ISO purposes, it is imperative that viscosity cup standard calibration oils are used.

Standard oils have a specific drain time, dependent upon the viscosity cup type (Ford, Shell, Zahn etc.) and the orifice or cup number used.

To check the viscosity cup, use the standard viscosity oils in place of the liquid and measure the drain time.

Specific calibration oils can only be used with specific flow cups. Please use the table below to determine which calibration oil is required for your cup, or contact Elcometer. Viscosity oils are supplied in ½ litre (1 pint) bottles.

Technical Specification

C

Part Number	Description	Dip Cups			Kinematic Viscosity at 25°C (77°F) [†]	Certificate
		DIN Frikmar	ISO Frikmar	ASTM/FORD Frikmar		
K0002410M021	Certified Calibration Oil		3		34cSt	●
K0002410M022	Certified Calibration Oil	4	4		120cSt	●
K0002410M023	Certified Calibration Oil	4	6	4	230cSt	●
K0002410M024	Certified Calibration Oil	4	6		460cSt	●

[†] Nominal Value

● Calibration certificate supplied as standard.

ENGLAND

Elcometer Limited
Manchester M43 6BU
Tel: +44 (0)161 371 6000
Fax: +44 (0)161 371 6010
sales@elcometer.com

GERMANY

Elcometer Instruments GmbH
D-73431 Aalen
Tel: +49(0)7361 52806 0
Fax: +49(0)7361 52806 77
de_info@elcometer.de

REPUBLIC OF SINGAPORE

Elcometer (Asia) Pte Ltd
Singapore 589472,
Tel: +65 6462 2822
Fax: +65 6462 2860
asia@elcometer.com

BELGIUM

Elcometer SA
B-4681 Hermalle /s Argenteau
Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
be_info@elcometer.com

THE NETHERLANDS

Elcometer NL
Euclideslaan 251
3584 BV Utrecht
Tel: +31 (0)30 259 1818
Fax: +31 (0)30 210 6666
nl_info@elcometer.com

USA

MICHIGAN
Elcometer Inc
Rochester Hills Michigan 48309
Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
inc@elcometer.com

FRANCE

Elcometer Sarl
45380 La Chapelle-Saint-Mesmin
Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
fr_info@elcometer.com

JAPAN

Elcometer KK
Saint Paul Building,
6F, 5-14-11, Higashiooi,
Shinagawa-ku, Tokyo 140-0011
Tel: +81-(0)3-6869-0770
Fax: +81-(0)3-6433-1220
jp_info@elcometer.com

USA

TEXAS
Elcometer of Houston
1146 Sheffield, Unit D,
Houston, TX 77015
Tel: +1 713 450 0631
Toll Free: 800 521 0635
Fax: +1 713 450 0632
inc@elcometer.com

www.elcometer.com