

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

ISO Viscosity Dip Cups		Orifice Diameter	Range <sup>1</sup> (cSt)	Certificate
Part Number	Description			
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		Orifice Diameter	Range <sup>1</sup> (cSt)	Certificate
Part Number	Description			
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

<sup>1</sup> 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 &amp; 2436

## Technical Specification

C

**DIN Viscosity Dip Cups**

Part Number	Description	Orifice Diameter	Range <sup>1</sup> (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 <sup>1</sup> (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)

<sup>1</sup> 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) <sup>†</sup>	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	●

<sup>†</sup> Nominal Value

● Calibration certificate supplied as standard.

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