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SERIES VR-2500

FORD CUP VISCOMETER

Outline

The Ford Cup Viscometer measures viscosity of such materials like paint and ink accurately in an easy way. Viscosity in units of stokes is obtained by measuring time when a fixed volume of material flows out through a fixed size of orifice.

There are two types, one is No. 3 for low viscosity, and the other is No. 4 as a standard model. Material of cup can be selected from aluminum and stainless steel. Cup itself is also available. There is also a Digital Ford Cup Viscometer that automatically measures the flow time of the sample.



MODEL VR-2510/2520



MODEL VR-2550



株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

Feature

- Orifice diameter is 3.4mm and 4.1mm with No. 3 and No. 4 Ford cups respectively. As flow time is in inverse proportion to the fourth power of orifice diameter, it covers a wide range of viscosity.
- In addition to the Ford Cup itself, the viscometer set includes a specimen cup, stand, level and glass scraper which are necessary for measurement.

Specification

Model	VR-2510	VR-2520
Name	Ford Cup Viscometer No. 3	Ford Cup Viscometer No. 4
Reference Standard	ASTM D1200-1994, Standard Test Method for Viscosity by Ford Viscosity Cup	JIS K 5400-1990 (repealed in 2002)
Ford Cup (itself)	Model VR-2560	Model VR-2561
Cup Height	71.7mm	67-82mm
Cup Inner Diameter	50.8mm	50-51mm
Cup Material	Aluminum or SUS	
Cup Weight	Approx. 320g (aluminum), approx. 980g (SUS)	
Principle	Time while the material flows out through the orifice at the bottom of the cup is measured in units of 0.2 sec., and viscosity is obtained from the time – viscosity conversion graph.	
Testing Temperature	Generally 20±0.5°C	
Weight of Whole Set	Approx. 1,570g (with an aluminum cup), approx. 2,230g (with a SUS cup)	
Dimensions of Case	210(W) x 160(D) x 120(H)mm	
Accessories	Specimen cup, stand, level, glass scraper, container case	

DIGITAL FORD CUP VISCOMETER MODEL VR-2550

Outline

The sample flowing out from the orifice of a Ford cup is captured by an optical sensor, the flow time is automatically measured and displayed in units of 0.1 second. It contributes to labor saving and eliminates variations among measurers.

Specification

Time display	6-digit display in units of 0.1 second
Start/Stop	Automatic operation based on the detection signal of the sample flowing out of the orifice
Power	AC100V 50/60Hz
Accessories	Spirit level, glass plate, fuse (Ford cup sold separately)
Dimensions	Main Body : Approx.135 (W) x 246 (H) x 130 (D) Control unit : Approx.135 (W) x 97 (H) x 190 (D)

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<Manufacturer>

Ueshima

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