

# Viscosity measuring Overhead Stirrer EVO OS1

## Features

- Torque measuring function
- Viscosity measuring function
  - It is completed by numerous testing with viscosity standard solution from Brookfield, so EVO OS1 guarantees 15% deviation
- Target Viscosity function
  - EVO OS1 can mix sample to a designated viscosity within available range, upon reaching to target viscosity, stirring is automatically stopped
- User friendly display
  - EVO OS1 displays Speed/Timer/Torque/Viscosity simultaneously
- Belt-type gear system
  - Powerful motor realize soft and powerful operation
  - 3-ratio of gear enables various range of viscosity-max. 150,000mPas
- High durability
  - Chrome-plated anti-rust chuck
- High stability
  - “Anti-trembling” function for impeller
- High fidelity LCD display (Graphic icons for each mode)
- Jog-Dial controller and electrostatic touch-type mode button
- Safety functions
  - Overload & Heat Protector for Motor/Error Code Display
- Made in Korea



**EVO OS1**

## Specification

Model	EVO OS1-10		EVO OS1-15		EVO OS1-20	
Stirring Capacity	Max. 25 Lit. (H2O)		Max. 40 Lit. (H2O)		Max. 60 Lit. (H2O)	
Maximum Viscosity	70,000 mPas		100,000 mPas		150,000 mPas	
Maximum Torque	130 Ncm		195 Ncm		293 Ncm	
Gear Rate	2.0 : 1		3.0 : 1		4.5 : 1	
Speed	Range	30 to 2,000(3,000)rpm		20 to 1,200rpm		15 to 800rpm
	Resolution	5 rpm-display/5 rpm-control				
Motor	Direct driven DC motor					
Motor Rating (Input/Output)	200W / 160 W					
Timer/Alarm	99hr 59min/Error status, Timer-end					
Controller	Digital Fuzzy Controller w/Electrostatic Touch button+Jog-dial					
Display	High Fidelity LCD with Back-Light function					
Viscosity Measuring Range	10,000 to 100,000 mPas (15% Deviation)					
Max. impeller shaft diameter	10mm					
Other Special Functions	Torque Measuring in real time/Viscosity measuring function Target Viscosity function/Real Time Monitoring by USB port					
Permissible temp./RH %	0 ~ 40°C/80% RH					
Material	ABS and Aluminum					
Safety Device	Overload & Heat Protector for Motor/Error Code Display					
Power Consumption	280 W					
Dimension/Weight	80x194x245mm, 3.95Kg		80x194x245mm, 4.0Kg		80x194x245mm, 4.6Kg	
Packing size/Gross weight	310x365x135mm, 4.57Kg		310x365x135mm, 4.62Kg		310x365x135mm, 4.68Kg	
Power supply	AC120V,60Hz or AC230V,50/60Hz, 1P					
Set models Include	Impeller/Standard plate stand/Clamp					