

"DAIHAN" *WiseStir*[®] *HS-D* High-Speed Digital Overhead Stirrer, Max. 10/20Lit., 200 ~ 3,000 rpm with Digital Feedback Control, Steady & Constant Stirring Speed Against Viscosity, up to 50,000 mPas

- Digital Feedback Control: Steady and Constant Stirring Speed against Viscosity Change of a Sample during Reaction
- Patented Jog-Shuttle Control System ■ CE Certified
- PL (Product Liability) Insurance

- * General Purpose Basic Laboratory Mixing
- * Ideal for Stirring Low-to Medium-Viscous Material
- * Digital Feedback Control: Steady and Constant Stirring Speed against Viscosity Change of a sample during Reaction
- * Digital LCD Display with Back-Light Function * Smooth Start and Change of the Stirring Speed
- * Overload Protection and Over-Heat Protection Functions for Motor
- * High Speed Stirring by Direct Driven Motor * Digital Timer Function (99hr 59min)
- * Alarm Function : Error status and Timer-end
- * The Position(Height) of Impeller is Adjustable. * Storage Function for Set Value : RPM & Timer
- * Chrome-Plated & Stainless Steel Chuck-Prevention from Corrosion

Specification

Stirring Capacity & Models	Max. 10 Lit. (H ₂ O) "HS-30D"	Max. 20 Lit. (H ₂ O) "HS-100D"
Maximum Viscosity	10,000 mPas	50,000 mPas
Maximum Torque	85 Ncm	145 Ncm
Speed Range & Resolution	200 ~ 3,000 rpm, 1 rpm-Display / 1 rpm-Control	
Motor	Worm-Geared DC Motor	
Motor Rating (Input / Output)	83 / 75 W, 1 / 10 HP	130 / 120 W, 1 / 6 HP
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end	
Display	Digital LCD Display with Back-Light Function	
Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)	
Max. Impeller Shaft Diameter	10 mm	
Permissible Temp. & Humidity	0 ~ 40 °C, 80%	
Safety Device	Overload & Heat Protector for Motor	
Material	ABS and Aluminum	
Dimension & Weight	90 × 145 × h180mm, 4.5 kg	90 × 145 × h180mm, 5.3 kg
Packing Size & Gross Weight	320 × 300 × h180mm, 5 kg	320 × 300 × h180mm, 8 kg
Power Consumption	85 W	130 W
Power Supply & Cord Plug**	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz, with Cord/Plug	

* Other Specifications are available upon Customer's Request.

Ordering Information

- * "HS-30D" Package-set : Complete with (1) Overhead Stirrer Unit (2) "PL010" Stainless Steel Impeller (Rod $\phi 8 \times L500$ mm, Blade $\phi 50$ mm)
(3) "CL200" Clamp (4) "ST110" Standard Plate Stand (Rod $\phi 16 \times L800$ mm, Plate w20 × d35cm)
- * "HS-100D" Package-set : Complete with (1) Overhead Stirrer Unit (2) "PL015" Stainless Steel Impeller (Rod $\phi 8 \times L500$ mm, Blade $\phi 70$ mm)
(3) "CL200" Clamp (4) "ST120" Wide Plate Stand (Rod $\phi 23 \times L1,000$ mm, Plate w30 × d40cm)

With 10 Lit. Stirring Capa., 10,000 mPas, "HS-30D" Package-set & Unit

- DH.WOS01016 High Speed-type Overhead Stirrer, **Package-set**, 230V
DH.WOS02016 , 120V
- DH.WOS01015 High Speed-type Overhead Stirrer, **Unit only**, 230V
DH.WOS02015 , 120V

With 20 Lit. Stirring Capa., 50,000 mPas, "HS-100D" Package-set & Unit

- DH.WOS01026 High Speed-type Overhead Stirrer, **Package-set**, 230V
DH.WOS02026 , 120V
- DH.WOS01025 High Speed-type Overhead Stirrer, **Unit only**, 230V
DH.WOS02025 , 120V

※ Refer to page 158, 159 for Accessory Specifications.

※ Refer to page 151 for Product Line & Selection Guide



High-Speed Digital Overhead Stirrer "HS-30D-Set"



High-Speed Digital Overhead Stirrer "HS-100D-Unit"