

Cat. No	Description	Articles
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**“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**  
**디지털 피드백 고속 교반기, 고속 교반, 중/저점도용, 모터 직결식, Chrome-Plated & Stainless Steel Chuck**

- **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 <sub>2</sub> O) “HS-30D”	Max. 20 Lit. (H <sub>2</sub> O) “HS-100D”
Maximum Viscosity	10,000 mPas	50,000 mPas
Maximum Torque	85 Ncm	145 Ncm
Speed Range & Resolution	500 ~ 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℃, 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

	Ea. Price, ₩
DH.WOS01016 High Speed-type Overhead Stirrer, <b>Package-set</b> , 230V	447,220
DH.WOS02016 , 120V	447,220
DH.WOS01015 High Speed-type Overhead Stirrer, <b>Unit only</b> , 230V	348,480
DH.WOS02015 , 120V	348,480

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

	Ea. Price, ₩
DH.WOS01026 High Speed-type Overhead Stirrer, <b>Package-set</b> , 230V	491,620
DH.WOS02026 , 120V	491,620
DH.WOS01025 High Speed-type Overhead Stirrer, <b>Unit only</b> , 230V	378,480
DH.WOS02025 , 120V	378,480

※ Refer to page 1046, 1047 for Accessory Specifications.

※ Refer to page 1039 for Product Line & Selection Guide



High-Speed Digital Overhead Stirrer “HS-30D-Set”



High-Speed Digital Overhead Stirrer “HS-100D-Unit”