

Cat. No	Description	Articles
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DAIHAN-brand® Digital Hotplate Stirrer, "MSH-D", Ceramic-Coated Plate, up to 380°C, ±0.3°C, with Certi. & Traceability with Digital Feedback Control, Accurate Temp. Control, 180×180mm- or 260×260mm-Plate, 80 ~ 1,500 rpm

디지털 가열 자력 교반기, 디지털 피드백 온도 제어, 우수한 온도균일성, 세라믹 코팅 플레이트

- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Digital Feedback Control by High-Performance Microprocessor
- Patented Jog-Shuttle Control System
- CE Certified
- PL(Product Liability) Insurance

- \* User's Self-Compensation Function : to Control Difference between Real Temp. and Indicated Temp. (±20.0°C)
- \* Accurate Temp. Control of the Sample in the Vessel using PT100 Sensor (optional)
- \* Storage Function for the set Values : Temp. and Timer
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
- \* Superior Temperature Uniformity : less than 10% on the Plate at Ambient Temperature

### Specification

Model	180×180mm Plate-type "MSH-20D"	260×260mm Plate-type "MSH-30D"
Material	Powder Coated Aluminum	Powder Coated steel
Body	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Stirring Capa. & Motor Rating	Max. 20 Lit., 9 / 4 W	
Speed & Control Resolution	80 ~ 1,500 rpm, 5 rpm	
Temp. Range & Accuracy	Max. 380°C, ±0.3°C at Set Temperature	
Temp. Resolution	0.1°C - Display, 0.5°C - Control	
Temp. Uniformity	Specially Designed Heating Module : Temp. Difference 10% less	
Heating Power/Consumption	600W	1.2 kW
Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end	
Display	Digital LCD with Back-Light Function	
Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)	
Stirring Bar	3cm bar-included, Usable : up to 5cm bar	
Safety Circuit	Over Temp. Protection	
Permissible Temp. & RH %	Ambient +5 ~ 50°C, 85% RH	
Dimension & Weight	206×307×h99mm, 3.3kg	286×387×h99mm, 3.5kg
Packing Size & Gross Weight	400×280×h200mm, 5 kg	430×320×h200mm, 5 kg
Power Supply & Cord/Plug*	1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz	

\* Other Specifications are available upon Customer's Request.

### Ordering Information

- \* "HP-20D" Package-set : Complete with ① Hotplate Unit ② : "SS200" PT100 External / Direct Contact Temp. Probe, ③ "RD200" Stainless steel Support Rod  $\phi$  12×L450mm ④ "CL220" Holder + Clamp for External Temp. Probe
- \* "HP-30D" Package-set : Complete with ① Hotplate Unit ② : "SS100" PT100 External / Direct Contact Temp. Probe, ③ "RD100" Stainless steel Support Rod  $\phi$  12×L450mm ④ "CL220" Holder + Clamp for External Temp. Probe

### With 180×180mm Plate-type, "MSH-20D" Package-set & Unit

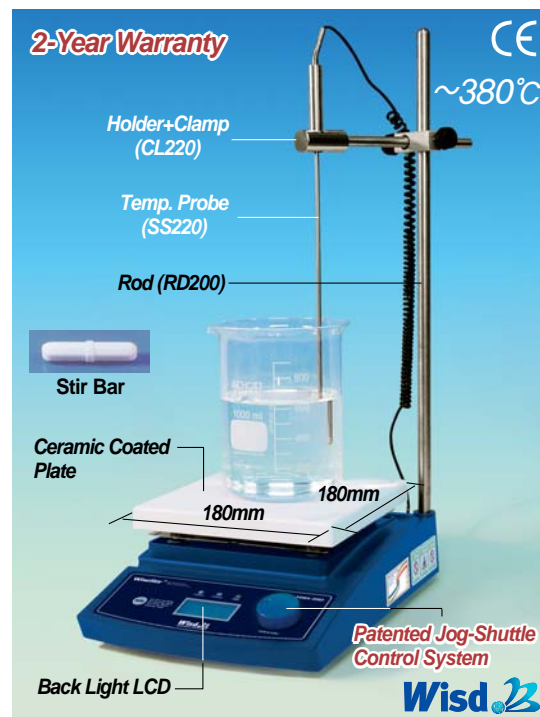
DH.WMH03021	180×180mm Plate-type, Package-set, 230V	410,750
DH.WMH02021	, 120V	410,750
DH.WMH03020	180×180mm Plate-type, Unit only, 230V, with stir bar	329,020
DH.WMH02020	, 120V, with stir bar	329,020

### With 260×260mm Plate-type, "MSH-30D" Package-set & Unit

DH.WMH03023	260×260mm Plate-type, Package-set, 230V	555,920
DH.WMH02023	, 120V	555,920
DH.WMH03022	260×260mm Plate-type, Unit only, 230V, with stir bar	466,070
DH.WMH02022	, 120V, with stir bar	466,070

### Additional Function Accessories

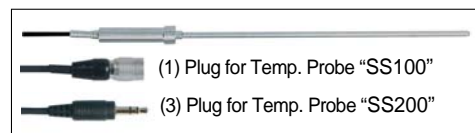
	Ea. Price, ₩
DH.WHP503020 (1) External / Direct Contact Temp. Probe, "SS100", PT100, for "HP-30D", "MSH-30D" and "SMHS" Probe $\phi$ 4×L250mm, Cable L190mm	67,080
DH.WHP503021 (2) External / Direct Contact Temp. Probe, "SS110", PT100, Teflon Coated, for "HP-30D", "MSH-30D", "SMHS" Probe $\phi$ 4×L250mm, Cable L190mm	77,700
DH.WHP503030 (3) External / Direct Contact Temp. Probe, "SS200", PT100, for "HP-20D", "MSH-20D" Probe $\phi$ 4×L250mm, Cable L190mm	49,480
DH.WHP503031 (4) External / Direct Contact Temp. Probe, "SS210", PT100, Teflon Coated, for "HP-20D", "MSH-20D" Probe $\phi$ 4×L250mm, Cable L190mm	60,100
DH.WHP503011 (5) Stand Rod, "RD100", Stainless steel, $\phi$ 12.7×L450mm for "HP-30A/30D", "MSH-30A/30D", Non-screw	9,230
DH.WHP503036 (6) Stand Rod, "RD200", Stainless steel, $\phi$ 12×L450mm for "HP-20A/20D", "MSH-20A/20D", "MSH-50A/55A", "MSH-50D/55D" and "SMHS", Screw	17,820
DH.WHP503012 (7) Holder / Clamp / Clip, "CL220", for Temp. Probe	23,540



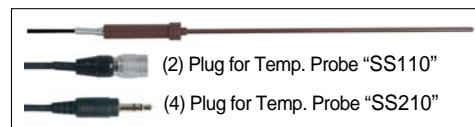
180×180mm Plate-type Digital Precise Hotplate "MSH-20D" Package-set



180×180mm Plate-type Digital Precise Hotplate "MSH-30D" Unit only



External/Direct Contact Temp. Probe



External/Direct Contact Temp. Probe, Teflon Coated

