

DAIHAN® Standard Digital & Analog Magnetic Stirrer “MS-20”, 180×180mm Ceramic-Coated Plate, Max. 1,500rpm
With Precise Speed Control, with Certi. & Traceability, Max. 20 Lit, 디지털/아날로그 자력교반기, 세라믹 코팅 플레이트



A. Digital Magnetic Stirrer “MS-20D”



B. Analog Magnetic Stirrer “MS-20A”

Long Life Power & Mechanism!

SMPS (Switching Mode Power Supply)
Use with Safety & Regular DC !!

AC → Stable DC !!

SSR (Solid State Relay)-Non Contact
No Electronic Harm!
Realize **Long Life Cycle!**

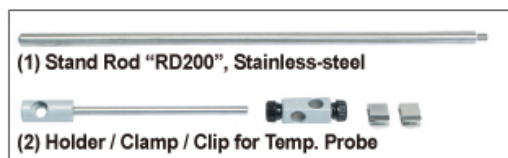
High Stability in Very Low & High-speed

General analog control
Use with AC !!
(Very sensitive Point)

PWM Control
Use with DC !!
(Super linearity)

DAIHAN Realize **Stable & Easy to Use!**

Specialized Features of “MS-20A”



- CE Certified
- PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Ceramic Coated Plate-Chemical/Acid Resistance
- * Ideal for Heat-sensitive Procedures such as Microbiology and Biochemistry Applications
- * Mixing for Chemical, Laboratory, Pharmaceutical Materials
- * Smart Design of Body made by Aluminum Die-Casting
- * Powerful Motor for Stirring Quantities of up to 20Lit (Water)
- * Free Voltage (AC 80V ~ 240V, 50 / 60Hz) by SMPS

A. Digital Microprocessor Control System “MS-20D”

- Digital Feedback Control by High-Performance Microprocessor
- Patented Jog-Shuttle Control System
- * Digital LCD Display with Back-Light Function
- * Storage function for the set values : RPM and Time
- * Digital Timer Function : 99hr 59min(with Continuous run.)
- * Alarm Function : Error Status and Timer-End
- * Locking Mode Supported for Experimental Safety (Jog-shuttle input blocked)

B. Analog PWM Control System “MS-20A”

- * Superior Linearity for the Control of Stirring Speed by Specially Designed Control Circuitry (PWM Control)
- * Long Life Power & Mechanism
- * High Stability in Very Low & High-speed

Specifications & Ordering information

Spec.	Model	A. “MS-20D” Digital-type	B. “MS-20A” Analog-type
Plate Size		180×180mm	
Stirring Capacity (H ₂ O)		Max. 20Lit	
Speed Range		80 ~ 1,500 rpm	Max. 1,500 rpm
Motor Rating		9 / 4 W	
Speed Accuracy (%)		± 5	-
Speed Control Resolution		5 rpm	-
Timer & Alarm		99hr 59min, Error status & Timer-end	-
Display		Digital LCD with Back-Light	-
Controller		Digital Feedback Controller with Jog Shuttle Switch(Turn+Push)	Superior Linearity PWM Controller
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Permissible Ambient Temp.		Room Temp. +5 ~ 50℃	
Permissible Relative Moisture		85%	
Material	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance)	
	Body	Powder Coated Aluminum	
Dimension (w × d × h)		206 × 307 × 99mm	
Weight (kg)		3.1 kg	
Packing Size (w × d × h) & Gross Weight		280 × 400 × 200mm 5 kg	
Power Consumption		10 W	
Electrical Reqts.		Free Voltage (1 Phase, AC 80 ~ 240 V, 50 / 60 Hz)	
Cat. No.	230V	DH.WMS03022	DH.WMS03122
	120V	DH.WMS02022	DH.WMS02122
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.

Optional Stand Rod/Holder/Clamp/Clip

DH.WHP503036 (1) Stand Rod “RD200”, Stainless-steel, screw,
φ12×L450mm, for “MS-20A/20D”

DH.WHP503012 (2) Holder/Clamp/Clip, “CL220”, for Temp. Probe