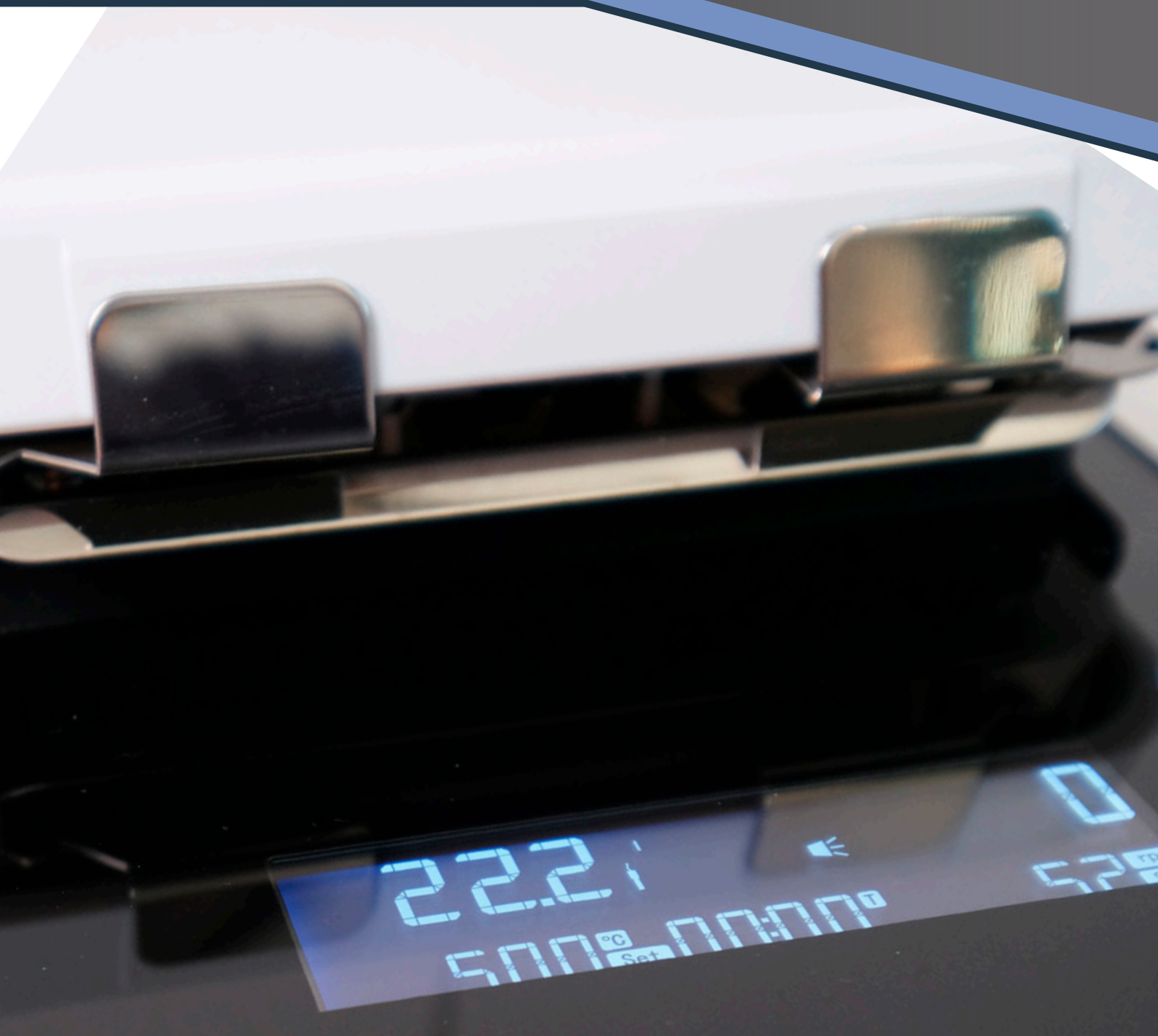


MAGNETIC STIRRERS

3



WARRANTY
2
YEARS

ARGO LAB



MS-D

MAGNETIC STIRRER

Speed range: **200 ... 1500 rpm**



- Compact and lightweight;
- LED display;
- Continuous indication of stirring speed;
- Nylon + GF plate for excellent chemical resistance;
- Maintenance-free induction motor;
- Degree of protection: IP 42.

M2-A

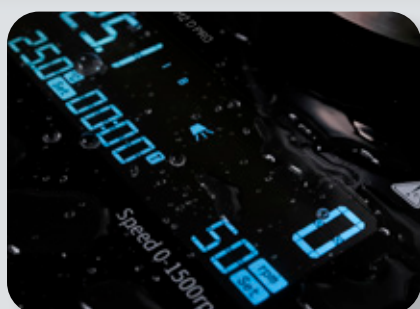
MAGNETIC STIRRER WITH HEATING

Max temperature: **340 °C**

Speed range: **1500 rpm**



- Stainless steel plate;
- Adjustable stirring speed and heating temperature;
- Electronic speed control motor, constant speed even during load changes;
- Accurate heating regulation;
- High magnetic force, prevents blockage of the magnetic stirring rod and ensures that the "stirring" function does not change due to external factors;
- Very durable metal outer structure (IP42) and brushless motor;
- Safety control on temperature, automatic lockout when 350 °C is exceeded.



Waterproof front panel



Glass-ceramic plate with high chemical resistance. It is also suitable for observing color changes (e.g. during titration, etc.).

M2-D PRO

MAGNETIC STIRRER WITH HEATING

Max temperature: **340 °C**

Speed range: **1500 rpm**

- Aluminium with ceramic coating plate;
- LCD digital display; real time indication of parameters;
- Timer and "safety lock" functions;
- Separate temperature sensors, selectable protection level;
- Temperature probe for control inside the stirring product (PT1000 on request);
- Danger signal on display, indicating the presence of residual heat after turning off agitator heating;



M3-D

MAGNETIC STIRRER WITH HEATING

Max temperature: **550 °C**

Speed range: **1500 rpm**

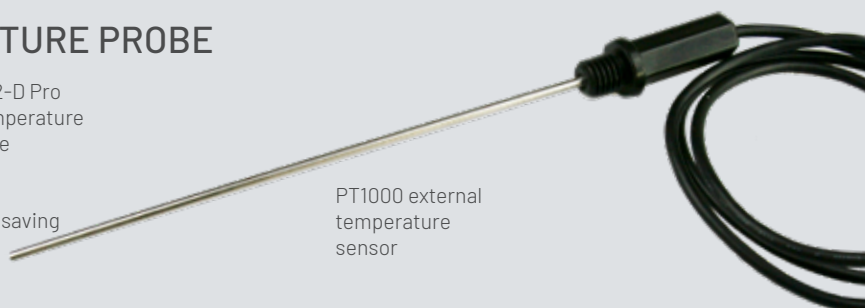
- Square glass-ceramic plate;
- LCD display, real-time reading of current temperature,
- Timer and "safety lock" functions;
- Residual heat warning:
Warning signal even when the instrument is turned off.
The display shows "Hot" when the plate temperature exceeds 50 °C;
- Adjustable safety temperature:
if the selected safety temperature is exceeded, the system stops heating.



PT1000 - EXTERNAL TEMPERATURE PROBE

Using the external temperature sensor, compatible with the M2-D Pro and M3-D models (old and new), it will be possible to set the temperature value at which we want to thermostat our sample directly on the instrument.

The probe holder can be screwed directly onto the instrument, saving space on the workbench.



PT1000 external
temperature
sensor

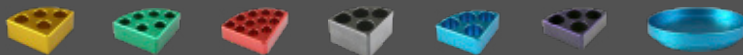
ACCESSORIES



Using the appropriate tube holder blocks, several volumes of tubes can be accommodated simultaneously.

Test tube holder blocks

	Codice
4 places Black - Holes Ø28 mm, height 43 mm - Test tubes 40 ml	22002623
4 places Blue - Holes Ø28 mm, height 30 mm - Test tubes 30 ml	22002613
4 places Purple - Holes Ø28 mm, height 24 mm - Test tubes 20 ml	22002603
4 places Gold - Holes Ø21.6 mm, height 31.7 mm - Test tubes 16 ml	22002643
6 places Green - Holes Ø17.8 mm, height 26 mm - Test tubes 8 ml	22002633
11 places Red - Holes Ø15.2 mm, height 20 mm - Test tubes 4 ml	22002593
Base for inserting heating blocks	22002583



Ball holder

	Codice
50 ml	22002653
100 ml	22002663
250 ml	22002673
500 ml	22002683

Support and protective cover

	Codice
PT1000 adjustable stand for M2-D Pro and M3-D (old and new)	22002523
PT1000 probe, length 230 mm for M2-D Pro and M3-D (old and new)	22002513
Plastic protection cover for M2-A and M2-D Pro (old)	22002533

DATA SHEET

	MS-D	M2-A	M2-D Pro	M3-D
Power consumption	15 W	530 W	650 W	1200 W
Max volume of agitation (H2O)	3 L	20 L	20 L	20 L
Max magnetic anchor	80 mm	80 mm	80 mm	80 mm
Stirring speed	200...1500 rpm	0... 1500 rpm	50... 1500 rpm	50... 1500 rpm
Timer	-	-	1 min ... 99 h 59 min	1 min ... 99 h 59 min
Speed indication	Analog	Analog	LCD display	LCD display
Speed accuracy	-	-	± 1 rpm	± 1 rpm
Plate material	Nylon + GF	Stainless steel	Aluminium + ceramic coating	Glass ceramic
Plate diameter/dimension	135 mm	135 mm	135 mm	184 x 184 mm
Heating power	-	500 W	600 W	1150 W
Temperature range	-	Ta ... 340 °C	Ta ... 340 °C	Ta ... 550 °C
Temperature indication	-	Analog	LCD display	LCD display
Heating accuracy indication	-	-	± 1 °C	± 1 °C
Overheating protection	-	-	420 °C	580 °C
External temperature probe	-	-	PT1000 (optional)	PT1000 (optional)
Temperature control accuracy	-	-	± 0,2 °C	± 1 °C
Dimensions (L x P x A)	260 x 150 x 80 mm	280 x 160 x 65 mm	270 x 175 x 98 mm	360 x 230 x 110 mm
Weight	1,8 kg	2,8 kg	2,2 kg	4,3 Kg
Motor			Brushless	
Power supply			220 V - 50/60 Hz	
Temperature of work			5... 40 °C	
Humidity max			80%	
IP protection	IP 21	IP 21	IP 42	IP 21
RS232 interface	-	-	Yes	-
Part number	22002003	22002013	22002073	22003023

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