

Mars Graphite Hotplate

• Ultra-Trace Metal Analysis • Uniform Heating • Multipurpose



Features



Designed for Ultra-Trace Metal Analysis

- 1 ♦ Exposed parts are non-metallic material to prevent contamination and is ideal for trace and ultra-trace analysis.
- ♦ Hotplate and blocks are made of PTFE coated graphite, highly resists aggressive attack.



Uniform Heating technology

- 2 ♦ Made of isostatic graphite which is high density and great thermal conductivity.
- ♦ New heater technology makes excellent homogeneity between each sample.



Multipurpose

- 3 ♦ Adapts various containers in one instrument.
- Hotplate : beakers, flasks, pans, etc.
- Hotblock (with optional graphite blocks): tubes and vessels.

Applications

- ♦ Metal digestion
- ♦ Acid preparation
- ♦ Heating experiments



Certification

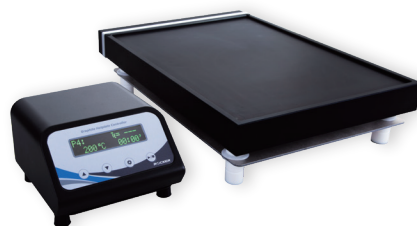
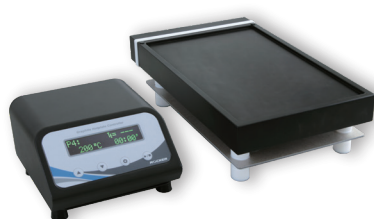


▲ Wall-Mounted Controller

Designed for both upright and wall-mounted position. Easy to set it outside of fume hood to prevent corrosion.



Please visit online video



Specification

Model	Mars 320	Mars 430
Voltage / Freq.	220V/50, 60Hz	220V/50, 60Hz
Capacity	1 graphite block	2 graphite blocks
Plate material	PTFE coated graphite	
Display	OLED	
Temperature range	R.T. +5°C ~ 200°C	
Resolution	1°C	
Temperature accuracy	±1°C (@150°C)	
Timer	(1) Countdown timer: 00:01~99:59 (HH:MM) (2) Counter: 00:00 (HH:MM)	
Power	1000W	2000W
Safety	Thermal protection (210°C)	
Controller dimension (LxWxH)	17.5 x 17.5 x 10 cm	
Hotplate dimension (LxWxH)	36.2 x 22 x 10.8 cm	46.2 x 32 x 10.8 cm



178320-22	Mars 320, Graphite Hotplate, AC220V, 50/60Hz
178430-22	Mars 430, Graphite Hotplate, AC220V, 50/60Hz
178200-45	PTFE-Coated Temperature Sensor

◆ Digestion Tube

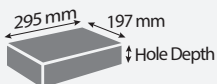
	Tube Volume		
	15 ml	50 ml	100 ml
PP	178200-15-PP (1000 ea/pk)	178200-50-PP (500 ea/pk)	178200-100-PP (225 ea/pk)
Borosilicate Glass	178200-15-G (60 ea/pk)	178200-50-G (28 ea/pk)	178200-100-G (18 ea/pk)
PTFE	178200-15-PTFE (8 ea/pk)	178200-50-PTFE (4 ea/pk)	178200-100-PTFE (2 ea/pk)

* Max. Operating Temperature • PP: 130 °C • Glass / PTFE: 200 °C



PP Glass PTFE

◆ Graphite Block (L x W): 295 x 197 mm



	Hole Diameter	Hole Depth	Max. Capacity	Applicable Tube
178200-07	16.5 mm	45 mm	70 well	φ 16 mm tube
178200-08	20.5 mm	70 mm	54 well	φ 20 mm tube
178200-09	25.5 mm	90 mm	40 well	φ 25 mm tube
178200-10	19 mm	90 mm	54 well	15 ml digestion tube, φ 18 mm tube
178200-11	31 mm	90 mm	24 well	50 ml digestion tube, φ 30 mm tube
178200-12	47 mm	90 mm	15 well	100 ml digestion tube

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