

PMC
Hot Plate and
Hot Plate Stirrers



Dataplate® Digital and Programmable Hot Plates



Model 722A and 720C

Digital and Programmable!

- Microprocessor closed-loop control
- Regulate sample temperature with an accessory immersion probe

Product Description

- The 720 series hot plates are simple, direct entry, non-programmable models, which allow the operator to set one temperature and one timed period. Using a microprocessor to regulate key process parameters - heating and ramp cycle timing, the 730 series hot plates are fully programmable.
- PMC 720 and 730 series digital hot plates are available with aluminum and porcelain-coated stainless steel top plates. Aluminum top plates heat quickly and uniformly. Porcelain-coated stainless steel top plates heat-up more slowly than aluminum tops, but are more chemically resistant.
- Two top plate sizes - 7" x 7" (17.7 x 17.7 cm) or 10" x 10" (25.4 x 25.4 cm).
- Gross weight of items placed on top of all 700 Series digital hot plates should not exceed 20 lb. (9.1 kg).
- Not recommended for use with metal vessels.

PMC DATAPLATE® 720 and 730 Series Digital Hot Plates offer:

- Digital display of all parameters for easy operation. Temperature can be displayed in °C or °F.
- Microprocessor controlled (closed-loop) temperature monitoring. Temperature can be controlled at the top plate surface (RTD sensor built into top plate) or within the sample (RTD immersion probe).
- Digital countdown timer and audible alarm.
- Plate "HOT" Indicator flashes red when top plate surface is above 50°C (122°F).
- AUTO-OFF control sets all parameters to zero at the end of a timed period.
- Single keystroke "HEATER OFF" function key.

Only the PMC DATAPLATE 730 Series offer:

- Programming - A single program of up to 75 steps (temperature ramps or dwells) can be stored in memory.
- Temperature ramping - rate can be set from 1°C/hr to 555°C/hr or 1°F/hr to 999°F/hr.
- Program memory battery back-up. Program is not lost by turning unit off.
- "HOLD" key to retain target temperature in memory if a power failure occurs.

Application

- Digestions - controlled, time-dependent procedures for heat sensitive biologicals
- Enzymatic/kinetic studies
- Solubility studies

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PRODUCT SPECIFICATIONS

Model #	Heating Surface Inches (cm)		Heating Surface Material	Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	W	D		W	H	D	
7" x 7" Digital and Programmable Hot Plate Models							
722A	7 (17.7)	7 (17.7)	Aluminum	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
722A-2	7 (17.7)	7 (17.7)	Aluminum	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
722P	7 (17.7)	7 (17.7)	Porcelain	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
732A	7 (17.7)	7 (17.7)	Aluminum	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
732A-2	7 (17.7)	7 (17.7)	Aluminum	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
732P	7 (17.7)	7 (17.7)	Porcelain	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
732P-2	7 (17.7)	7 (17.7)	Porcelain	8 (20.3)	5 (12.7)	10 (25.4)	10 (4.5)
10" x 10" Digital and Programmable Hot Plate Models							
720A	10 (25.4)	10 (25.4)	Aluminum	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)
720P	10 (25.4)	10 (25.4)	Porcelain	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)
730A	10 (25.4)	10 (25.4)	Aluminum	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)
730A-2	10 (25.4)	10 (25.4)	Aluminum	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)
730P	10 (25.4)	10 (25.4)	Porcelain	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)
730P-2	10 (25.4)	10 (25.4)	Porcelain	10.5 (26.7)	6.5 (16.5)	16 (18.5)	25 (11.3)

ORDERING INFORMATION

Model #	Volts	Electrical (50/60 Hertz)		Watts	Operating Temp Range		US List Price
		Amps			°C	°F	
7" x 7" Digital and Programmable Hot Plate Models							
722A	120	7.3		876	38-371	100-700	\$820.00
722A-2	220-240	3.7		877	38-371	100-700	\$820.00
722P	120	7.3		876	38-371	100-700	\$858.00
732A	120	7.3		876	38-371	100-700	\$961.00
732A-2	220-240	4.2		1002	38-371	100-700	\$961.00
732P	120	7.3		876	38-371	100-700	\$1,003.00
732P-2	220-240	4.2		1002	38-371	100-700	\$1,003.00
10" x 10" Digital and Programmable Hot Plate Models							
720A	120	11.4		1378	38-325	100-617	\$1,241.00
720P	120	11.4		1378	38-325	100-617	\$1,300.00
730A	120	11.1		1330	38-325	100-617	\$1,444.00
730A-2	220-240	5.5		1329	38-325	100-617	\$1,444.00
730P	120	11.1		1330	38-325	100-617	\$1,513.00
730P-2	220-240	5.5		1329	38-325	100-617	\$1,513.00

ACCESSORIES

Model #	Description	US List Price
710-0201	Immersion Probe, 6 in. (15 cm) S.S., Platinum RTD	\$134.00
710-0202	Surface Temperature Probe, Platinum RTD	\$432.00
710-0203	Immersion Probe, 6 in. Chemically Resistant Glass, Platinum RTD	\$190.00
710-0204	Immersion Probe, 10 in. Stainless Steel, Platinum RTD	\$150.00
710-0205	Immersion Probe, 6 in. Solid Teflon, Platinum RTD, Chemical Resistant up to 300°C	\$190.00
710-5001	Probe Readout Calibration Kit (High and Low Temperature Resistors)	\$88.00