

## Electrothermal Melting Point



# Manual Mel-Temp®



Model 1001



## The Lowest Cost Melting Point Apparatus Found Anywhere!

- Low cost unit
- Temperature range to 500°C

### Product Specifications

- Aluminum casting conducts and radiates heat uniformly to capillaries and thermometer.
- Heating chamber consists of aluminum heating block which avoids the hazards and mess associated with oil baths.
- Sample observation is enhanced by an integrated light and precision 6X lens.
- Three thermometer options are available: mercury-filled thermometer, precision digital thermometer or student digital.
- Includes 1 vial of 100 capillaries.

### Operation

- Mel-Temp provides precise melting points up to 500°C.
- Simple manual controls adjust the heating rates.
- Accepts up to three samples simultaneously using glass capillaries.
- Simple to operate: bring oven to a stable temperature, insert capillary tubes, adjust heating rates and record melt temperature when sample(s) melt.

### PRODUCT SPECIFICATIONS

Temperature Range	Ambient to 500°C	Thermometer Well	6.75 mm inside diameter, 76mm deep
Heating Rate Control	Continuously adjustable with built-in variable transformer	Heat-up time (Full Power)	Ambient-400°C in 5 minutes 400°C-500°C in 4 minutes
Temperature Resolution digital	0.1°C with low mass thermocouple and precision thermometer	Cool-down time (unassisted)	500°C-400°C in 2 minutes 400°C-300°C in 2 minutes 300°C-200°C in 5 minutes
Reproducibility	1°C	Power Requirements	200 watts, 100-120 VAC or 200 watts, 210-250 VAC
Melting Point Capillaries	1.5-1.75 mm outside diameter		

### ORDERING INFORMATION

Model #	Thermometer	Volts	Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)	US List Price
			W	H	D		
1001 <sup>1</sup>	No thermometer	120	4.6 (11.7)	9 (23)	5.5 (14)	6 (2.7)	\$711.00
1002 <sup>1,2</sup>	No thermometer	230	4.6 (11.7)	9 (23)	5.5 (14)	6 (2.7)	\$711.00
1101D <sup>1</sup>	Precision digital	120	4.6 (11.7)	9 (23)	5.5 (14)	8 (3.6)	\$1,214.00
1102D <sup>1</sup>	Precision digital	230	4.6 (11.7)	9 (23)	5.5 (14)	8 (3.6)	\$1,214.00
1201D <sup>1</sup>	Mercury thermometer	120	4.6 (11.7)	9 (23)	5.5 (14)	7 (3.2)	\$805.00
1202D <sup>1</sup>	Mercury thermometer	230	4.6 (11.7)	9 (23)	5.5 (14)	7 (3.2)	\$805.00
1301D	Student digital	120	4.6 (11.7)	9 (23)	5.5 (14)	6 (2.7)	\$895.00
1302D	Student digital	230	4.6 (11.7)	9 (23)	5.5 (14)	6 (2.7)	\$895.00

<sup>1</sup>CSA  
<sup>2</sup>CE

### ACCESSORIES

Model #	Description	US List Price
1003	Capillaries, Vial of 100	\$12.60
1008	Mel-Temp Standard	\$515.20