

MP-400 Series Advanced Digital Melting Point Apparatus

- Intuitive menu interface guides you through the melting process with comprehensive directions
- Three methods can be stored for repeated use and the plateau temperature and heating rate are fully programmable
- Record up to seven temperature readings for each sample with date-and-time stamp
- Adjust the viewing head two ways for optimal viewing and comfort—move forwards/backwards as well as tilt up to 126°
- Useful features such as slots for storing pre-prepared samples and a storage drawer to hold capillary tubes
- 3-year warranty



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MP-400 Series Advanced Digital Melting Point Apparatus

Designed for fast accurate determination of melting points, the MP-400 lets you test three samples simultaneously and features a maximum temperature of 400 °C, a variable ramp, and three programmable methods for repeated use. Large backlit LCD shows programming information, stored results, current temperatures, and time. The tubes are illuminated with bright white LED's to give the clearest view of the samples during the melt. The block has been designed for easy access for cleaning, the front of the head is fully removable to allow full access to the micro furnace.

Up to seven date-and-time stamped results per tube can be stored in memory. Use the optional printer for a hard copy record of the melt results. Unit includes 100 glass capillary tubes, sealed on one end.

Specifications

Model no.	MP-400D
Number of samples	3
Temperature range	Ambient to 400 °C
Temperature resolution	0.1 °C
Display	Multiline alphanumeric LCD, backlit, date/time
Ramp rate	0.5 to 10 °C per min (0.1 °C increments)
Temperature sensor	PT1000 RTD
Memory	7 results per tube
Accessory printer	Yes
Date/time display	Yes
Cool down time (350 to 50 °C)	12 mins
Heat up time (50 to 350 °C)	6 mins
Onboard capillary storage	Yes
In-built glass cutter	Yes
Displayed language selection	English, German, French, Italian, Spanish
Dimensions (W x H x D)	32.5 x 17.0 x 20.0 cm (12.8 x 6.7 x 7.9 in)
Warranty	3 years

Ordering Information

Description	Item no.	Series no.	Model no.	Legacy SKU
Advanced digital melting point apparatus, 115/230 VAC, 50/60 Hz	03011-49	MP-400	MP-400D	SMP30

Accessories

Description	Item no.	Series no.	Model no.	Legacy SKU
Printer, RS-232 interface, universal AC power adapter, 3-year warranty	03012-99	N/A	N/A	SMP30/1
Glass capillary tubes, open both ends, 100/pk	03013-63	N/A	N/A	SMP1/4
Glass capillary tubes, sealed on one end, 100/pk	03013-64	N/A	N/A	SMP10/1
Glass capillary tubes, sealed both ends, 100/pk	03013-65	N/A	N/A	SMP2/1

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