

## MP-800 Series Automatic Digital Melting Point Apparatus

- Advanced digital image processing produces a high-resolution video of the sample melt
- Get up and running quickly—intuitive setup and navigation on large color touchscreen
- Use the rapid ramp mode to take a fast scan of the full temperature range
- 8 GB on-board memory storage
- Conforms to USP and GLP requirements
- 3-year warranty





# MP-800 Series Automatic Digital Melting Point Apparatus

Advanced features with a familiar interface make the MP-800 the ideal melting point apparatus for your pharmaceutical, raw material, and quality control applications. Digital camera technology is used to produce a high-resolution video of the sample melt; this allows the intelligent melt algorithm to identify the smallest of changes within the sample, accurately and reliably determining the melting point of up to three samples simultaneously. Video image of melt provides proof of measurement — observe in real-time or post melt. Download videos and reports to a USB flash drive or use the optional printer for direct printing of results. Stored video results are stamped with melt temperature. Unit features a capillary storage compartment with glass cutter and three slots to hold prepared tubes. Includes a pack of 100 glass capillary tubes (sealed at one end).

## Specifications

| Model no.                     | MP-800  |
|-------------------------------|---|
| Number of samples             | 3 simultaneously  |
| Temperature range             | Ambient to 400 °C   |
| Temperature resolution        | 0.1 °C  |
| Display                       | 17.8 cm (7 in) touch-screen display, with date/time and choice of C/F units |
| Ramp rates                    | 0.1 to 20 C/min 0.1 °C increments   |
| Temperature sensor            | PT1000 RTD  |
| Cool down time (350 to 50 °C) | 12 mins   |
| Heat up time (50 to 350 °C)   | 6 mins  |
| Oven control                  | Closed loop PID   |
| Memory                        | 8 GB (approx. 300 results with video)                                       |
| Data transfer                 | USB Flash drive   |
| Languages                     | English / French  |
| Dimensions (W x H x D)        | 30 x 16.4 x 36 cm (11.8 x 6.4 x 14.1 in)                                    |
| Warranty                      | 3 years   |

## Ordering Information

| Description  | Item no. | Series no. | Model no. | Legacy SKU |
|--|----------|------------|-----------|------------|
| Automatic melting point apparatus, 120/230 VAC, 50/60 Hz                           | 03013-02 | MP-800     | MP-800D   | SMP50      |
| Automatic melting point apparatus, 120/230 VAC, 50/60 Hz, with IQ/OQ documentation | 03013-03 | MP-800     | MP-800D   | SMP50/IQOQ |

## Accessories

| Description  | Item no. | Series no. | Model no. | Legacy SKU    |
|--|----------|------------|-----------|---------------|
| Printer with US, UK, and EU power cords  | 83056-79 | N/A        | N/A       | SMP50/PRINTER |
| Calibration standards kit (caffeine, vanillin and sulphanilamide) with purity certificates | 99967-49 | N/A        | N/A       | N/A           |
| 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        |

coleparmer.com

USA:  
+1.800.323.4340  
+1.847.549.7600

Canada: +1 800 363 5900  
China: +86 21 5109 9909  
France: +33 (0)1 48 63 78 00  
Germany: +49 (0) 9377 92030

India: +1 800 266 1244  
Italy: +39 (0)2 84349215  
UK: +44 (0) 1480 272279  
All other countries: +1 847 549 7600

**Cole-Parmer®**