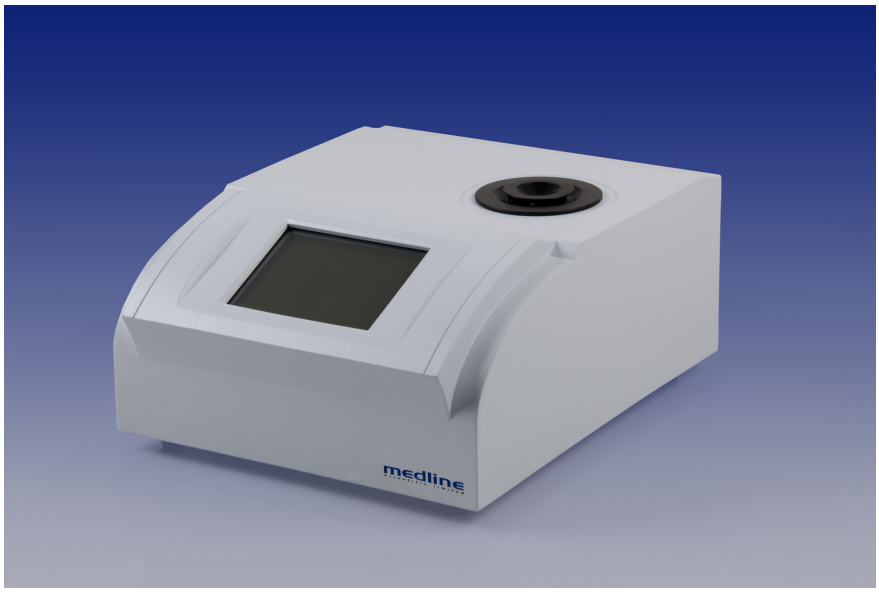
# MDC Melting Point Apparatus

Melting point determination is a critically important method to enable sample purity to be measured. It is commonly used in analyses associated with the production of medicines, dye-stuffs, perfumes and other organic substances.




**Characteristics "MD300C":** Photoelectric test. LCD display. RS-232. Real time melting curve.

**Characteristics "MD400C":** Uses PID & PWM to control the temperature. Automatically records the melting curve. It can measure three samples at the same time. It can calculate average initial and final melting points automatically. USB and RS232, touch screen. (as pictured above).

| Model | MD300C | MD400C |
|---|---|---|
| Measurement range: | Ambient to 300°C | Ambient to 400°C |
| Minimum digital display | 0.1°C | |
| Size of the capillary | 1.4mm OD x 1.0mm ID x 80mm tall | |
| Sample loading height | 3mm | |
| Linear heating-up rate | 0.2;0.5;1;1.5;2;3;4;5°C/min | 0.1°C~20°C/min |
| Accuracy (23°C ±5°C) | <200°C: ±0.5°C<br>200-300°C: ±0.8°C | <200°C: ±0.5°C<br>>200°C: ±0.8°C |
| Weight | 11 kg | |
| Dimensions | 380 x 360 x 510mm | |