

Product Details

Product Number

PRO6272



Technical Specification:

COLO-CMPA3 – Fully Automatic Melting Point Apparatus

Fully Auto Measurement / 0.5 Grade

The melting point of a substance is the temperature at which the material changes from a solid to a liquid state. In organic chemistry, melting point determination is not only the basic approach to determine the nature of material, but also an important method to obtain the purity of a substance. Therefore, melting point apparatus is widely used in the chemical industry and medical research, and it's a must-have instrument in the manufacturing of medicine, spices, dyes and other organic crystal substances.

MAIN CHARACTERISTICS

- Quick, efficient and reliable melting point determination
- LCD display is intuitive
- Numeric keypad input simplifies operation
- Unique digital temperature control technology with high accuracy
- Wider ramp rate with stepless speed
- Capillary tubes method conforms to pharmacopoeia
- Up to 3 points temperature correction

MAIN SPECIFICATIONS

MODEL	COLO-CMPA3
Test Method	Fully automatic
Sample Loading Way	Capillary Tube Method
Temperature range	Ambient ~320 °C
Min. Temperature Resolution	0.1 °C
Ramp Rate	Stepless setting at 0.1 °C ~ 10 °C/min
Ramp Rate Error	≤ 5 %
Accuracy	± 0.4 °C (<200 °C), ± 0.7 °C (≥200 °C)
Reproducibility	0.2 °C (ramp rate 0.2 °C/min); 0.3 °C (ramp rate 1 °C/min)
Heating/Cooling time	≤ 3 mins / 3 mins (50 °C ~ 320 °C)
Number of Capillaries	1
Capillary dimensions	Φ1.4 mm outside dia., Φ1.0 mm inside dia., 90 mm length
Fill height	3 mm ~ 5 mm
Display	4.3 inch LCD
Communication interface	X
Print Function	X
Power supply	110/220 ±10% V AC, 50/60 Hz / 120 W
Dimensions (L×W×H)	345 (L) × 245 (W) × 215 (H) mm
Weight	About 4.5 kg

SKU: PRO6272, PRO6273 Category: [Laboratory instruments Meltin](#)

Accessories: