



# Melting Point Apparatus

LDMP-A12 and LDMP-A13

Melting Point Apparatus LDMP-A12 is an automated melting point apparatus to measure melting point of powdered materials with melting point temperature range up to 320°C. It features colourful touch screen display with a test mode to clearly see three samples melting situation and get three samples individual and average value. The high preheating rate offers reliable measurements in any temperature range.

Melting Point Apparatus LDMP-A13 is an automated melting point apparatus to measure melting point of powdered materials with melting point temperature range up to 400°C. It features colourful touch screen display with a test mode to clearly see three samples melting situation and get three samples individual and average value. The high preheating rate and the integrated fan cooling allow fast and reliable measurements in any temperature range.

### Features :

- ❑ Colourful touch screen display
- ❑ Increasing temperature speed can easily set from 0.1 to 10°C/ min
- ❑ Microprocessor PID temperature controlled system,
- ❑ High resolution microscope lenses can observe sample clearly
- ❑ Display Test Mode: Can clearly see 3 samples melting situation and get 3 samples individual and average value.
- ❑ Easy setting to pre-set temperature, heating rate, stop temperature
- ❑ Built-in cooling fan can easily cool down temperature and test next samples
- ❑ Fully closed design of furnace body to avoid any fire hazard for the user
- ❑ Output interface is RS 232
- ❑ Equipped with sample tube up to external diameter of 1.6 mm and internal diameter of 1.2 mm

### Application :

Melting Point Apparatus is widely using in chemical industry and medicinal factory for quality analysis in production of food, drugs, spices, dyes and other organic crystal substances.

## Specifications:

Model	LDMP-A12	LDMP-A13
Temperature Range	RT to 320°C	RT to 400°C
Cooling Function	NO	Built-in Cooling Fan
Sample Cell	Capillary tube	
Sample Tube	External diameter: 1.6 mm internal diameter: 1.2 mm	
Resolution	0.1°C	
Temperature Increase Speed	0.1°C to 10°C (100 temperature point infinitely adjustable)	
Temperature Control Method	PID control temperature, Fully closed design of furnace body	
Accuracy	$\pm 0.4^{\circ}\text{C}$ ( $\leq 250^{\circ}\text{C}$ ), $\pm 0.7^{\circ}\text{C}$ ( $> 250^{\circ}\text{C}$ )	
Repeatability	When 0.1°C/Min, repeatability $\pm 0.3^{\circ}\text{C}$	
Display	FTF high resolution Colourful touch screen	
Output	RS 232 interface	
Dimension	250 mm × 250 mm × 150 mm	
Power consumption	100 W	
Power Supply	100 V to 240 V, 50 Hz to 60 Hz	
Weight	1.2 kg	

## Standard Accessories:

- ☐ Power Adapter
- ☐ Power Cable
- ☐ Capillary tube

## Optional Accessories:

- ☐ Micro-printer