



# **Melting Point Apparatus LDMP-A12**

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## Overview

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.

## 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

## Specifications :

Temperature Range	RT to 320°C
Cooling Function	NO
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	±0.4°C (< 250°C), ± 0.7°C (> 250°C)
Repeatability	When 0.1°C/Min, repeatability ± 0.3°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

## Applications :

Melting Point Apparatus is widely using in chemical industry and medicine, it is necessary in instrument for the production of food, drugs, spices, dyes and other organic crystal substances.

## Standard Accessories :

Power Adapter

Power Cable

Capillary tube

## Optional Accessories :

Micro-printer



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