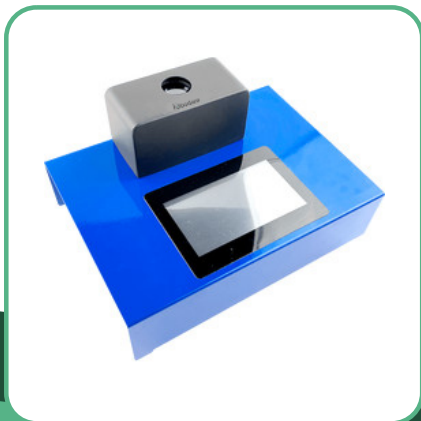
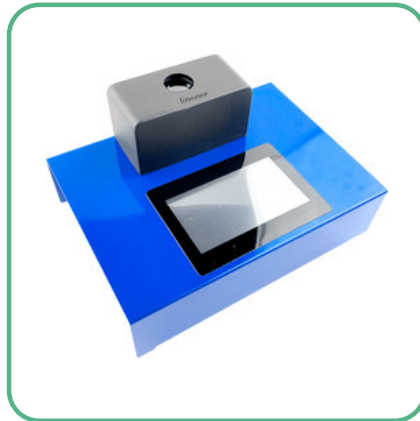


Touch Screen Melting Point Apparatus

Touch Screen Melting Point Apparatus



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

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.

Specifications:

Model no.	LD-LDMP-A12
Output	RS 232 interface
Weight	1.2 kg
Display	FTF high resolution Colourful touch screen
Accuracy	$\pm 0.4^{\circ}\text{C}$ ($< 250^{\circ}\text{C}$), $\pm 0.7^{\circ}\text{C}$ ($> 250^{\circ}\text{C}$)
Dimension	250 mm × 250 mm × 150 mm
Resolution	0.1°C
Sample Cell	Capillary tube
Sample Tube	External diameter: 1.6 mm internal diameter: 1.2 mm
Power Supply	100 V to 240 V, 50 Hz to 60 Hz
Repeatability	When 0.1°C/Min, repeatability $\pm 0.3^{\circ}\text{C}$

Cooling Function	NO
Power consumption	100 W
Temperature Range	RT to 320°C
Temperature Control Method	PID control temperature, Fully closed design of furnace body
Temperature Increase Speed	0.1°C to 10°C (100 temperature point infinitely adjustable)

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

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.

Specifications:

Model no.	LD-LDMP-A13
Output	RS 232 interface
Weight	1.2 kg
Display	FTF high resolution Colourful touch screen
Accuracy	$\pm 0.4^{\circ}\text{C}$ ($< 250^{\circ}\text{C}$), $\pm 0.7^{\circ}\text{C}$ ($> 250^{\circ}\text{C}$)
Dimension	250 mm × 250 mm × 150 mm
Resolution	0.1°C
Sample Cell	Capillary tube
Sample Tube	External diameter: 1.6 mm internal diameter: 1.2 mm
Power Supply	100 V to 240 V, 50 Hz to 60 Hz
Repeatability	When 0.1°C/Min, repeatability $\pm 0.3^{\circ}\text{C}$

Cooling Function	Built-in Cooling Fan
Power consumption	100 W
Temperature Range	RT to 400°C
Temperature Control Method	PID control temperature, Fully closed design of furnace body
Temperature Increase Speed	0.1°C to 10°C (100 temperature point infinitely adjustable)

Melting Point Apparatus LDMP-A20 is PID microprocessor temperature control unit with fully automatic detection mode. Combines with high-precision temperature control technology and high definition video camera technology, which not only provides users with accurate, stable and reliable test results, but also brings users efficient and convenient test experience. High definition video can easily and clearly see the whole process of sample melting, automatic detection real-time map display, and convenient use to accurately measurement of samples melting point and melting distance.

Features:

- Designed with automatic integration to realize the function of one key measurement
- High definition video instead of traditional visual microscope
- It deal with four samples at a time
- The data can be printed directly by printer
- Design with PID precise temperature control and furnace body fully closed
- Automatic recording of melting range, initial melting and final melting
- Automatically upgraded U disk software without returning to the factory
- Automatically judge color samples
- Equipped with USB, network Wi-Fi interface, RS232 and tamper proof function
- Designed with 8 inches high-definition color screen

Applications:

Melting Point Apparatus is used in Chemical, pharmaceutical, food and drug manufacturing and research industry for quality and testing purpose. It is also used in cosmetics, dye and paint production and testing plants, laboratories.

Specifications:

Model no.	LD-LDMP-A20
Printer	Laser printer or thermal / needle type (compatible)
Accuracy	$\pm 0.3\text{ }^{\circ}\text{C}$ (< 200 $^{\circ}\text{C}$) , $\pm 0.5^{\circ}\text{C}$ (>200 $^{\circ}\text{C}$)
HD camera	Observe the melting state of sample
Test method	Yes
Display mode	8 inch high-definition color screen
Heating rate	0.1 $^{\circ}\text{C}$ / min or 20 $^{\circ}\text{C}$ / min
Power supply	220 V, 50 Hz
Magnification	≥ 10
Repeatability	Melting point repeatability $\pm 0.1\text{ }^{\circ}\text{C}$ at 0.1 $^{\circ}\text{C}$ / min

Storage space	16 g hard disk, ≥ 2G memory
Capillary size	Outer diameter 1.4 mm, Inner diameter 1.0 mm
Data interface	USB, network Wi-Fi interface, RS232
Detection mode	Fully automatic (compatible with manual)
Video function	Take photos
Video playback	With / with time watermark
Exploration mode	Yes
Judgment ability	Automatically judge color samples
Power consumption	120 W
Temperature range	Room temperature to 350 °C
Atlas preservation	200
Experimental scheme	50 sets
Processing capacity	4 / batch
Temperature resolution	0.1 °C
Continuous shooting time	50 minutes
Temperature control mode	PID precise temperature control

Melting Point Apparatus LDMP-B10 offers desktop design, Semi- automatic detection method, without cooling function. Equipped with Peltier precise temperature function, In line with international standards such as CE & ISO for determination of the melting point of oils and fats. With addition of either high-definition camera or high definition video and camera technology, to delivers accurate, stable results, and user can clearly see the whole process of sample melting, automatic detection to eliminate the subjective error to determine the melting point.

Features:

- TFT touch screen display
- Semi- automatic detection method, without cooling function
- Capacity per batch is 2 pcs
- Designed with a key automatic detection function
- Use of double opening capillary size I.D>1.0 mm,O.D.1.4 mm
- In line with international standards such as CE & ISO
- Adopted with Peltier precise temperature function technology

Applications:

It finds application across finding meting point of oil and fat in food and drug industry, biochemistry, medicines, mining, water management industry.

Specifications:

Model no.	LD-LDMP-B10
Power	110 to 220V 50, 60HZ 120W
Weight	5 kg
Display	TFT Touch screen
Dimension	400 × 280× 330 mm
Interface	USB RS232 SD card Enternet
Repeatability	0.1°C/Min , ±0.1°C
Camera & Video	Camera
Result storage	200
Video playback	NA
Detection method	Semi-automatic
Operator account	NA
SD card capacity	8G
Capacity per batch	2 pcs/batch
Temperature accuracy	±0.3°C

Temperature gradients	(0.1 to 10.0)°C/Min
Opening capillary size	I.D>1.0 mm, O.D.1.4 mm Double opening
Temperature resolution	0.1°C
Temperature control range	RT to 100°C

Melting Point Apparatus LDMP-B11 offers desktop design, Semi- automatic detection method, with cooling function. Equipped with Peltier precise temperature function, In line with international standards such as CE & ISO for determination of the melting point of oils and fats. With addition of either high-definition camera or high definition video and camera technology, to delivers accurate, stable results, and user can clearly see the whole process of sample melting, automatic detection to eliminate the subjective error to determine the melting point.

Features:

- TFT touch screen display
- Semi- automatic detection method, with cooling function
- Capacity per batch is 2 pcs
- Designed with a key automatic detection function
- Use of double opening capillary size I.D>1.0 mm,O.D.1.4 mm
- In line with international standards such as CE & ISO
- Adopted with Peltier precise temperature function technology

Applications:

It finds application across finding meting point of oil and fat in food and drug industry, biochemistry, medicines, mining, water management industry.

Specifications:

Model no.	LD-LDMP-B11
Power	110 to 220V 50, 60HZ 120W
Weight	5 kg
Display	TFT Touch screen
Dimension	400 × 280× 330 mm
Interface	USB RS232 SD card Enternet
Repeatability	0.1°C/Min , ±0.1°C
Camera & Video	Camera & Video
Result storage	400
Video playback	Yes
Detection method	Semi-automatic
Operator account	8
SD card capacity	8G
Capacity per batch	2 pcs/batch
Temperature accuracy	±0.3°C

Temperature gradients	(0.1 to 10.0)°C/Min
Opening capillary size	I.D>1.0 mm, O.D.1.4 mm Double opening
Temperature resolution	0.1°C
Temperature control range	6 to 100°C

Melting Point Apparatus LDMP-B12 offers desktop design, Automatic detection method, without cooling function. Equipped with Peltier precise temperature function, In line with international standards such as CE & ISO for determination of the melting point of oils and fats. With addition of either high-definition camera or high definition video and camera technology, to delivers accurate, stable results, and user can clearly see the whole process of sample melting, automatic detection to eliminate the subjective error to determine the melting point.

Features:

- TFT touch screen display
- Automatic detection method, without cooling function
- Capacity per batch is 2 pcs
- Designed with a key automatic detection function
- Use of double opening capillary size I.D>1.0 mm,O.D.1.4 mm
- In line with international standards such as CE & ISO
- Adopted with Peltier precise temperature function technology

Applications:

It finds application across finding meting point of oil and fat in food and drug industry, biochemistry, medicines, mining, water management industry.

Specifications:

Model no.	LD-LDMP-B12
Power	110 to 220V 50, 60Hz 120W
Weight	5 kg
Display	TFT Touch screen
Dimension	400 × 280× 330 mm
Interface	USB RS232 SD card Enternet
Repeatability	0.1°C/Min , ±0.1°C
Camera & Video	Camera
Result storage	600
Video playback	No
Detection method	Fully automatic (compatible with Semi-automatic)
Operator account	10
SD card capacity	8 G
Capacity per batch	2 pcs/batch

Temperature accuracy	±0.3°C
Temperature gradients	(0.1 to 10.0)°C/Min
Opening capillary size	I.D>1.0 mm, O.D.1.4 mm
Temperature resolution	0.1°C
Temperature control range	RT to 100°C

Melting Point Apparatus LDMP-B13 offers desktop design, Automatic detection method, with cooling function. Equipped with Peltier precise temperature function, In line with international standards such as CE & ISO for determination of the melting point of oils and fats. With addition of either high-definition camera or high definition video and camera technology, to delivers accurate, stable results, and user can clearly see the whole process of sample melting, automatic detection to eliminate the subjective error to determine the melting point.

Features:

- TFT touch screen display
- Automatic detection method, with cooling function
- Capacity per batch is 2 pcs
- Designed with a key automatic detection function
- Use of double opening capillary size I.D>1.0 mm,O.D.1.4 mm
- In line with international standards such as CE & ISO
- Adopted with Peltier precise temperature function technology

Applications:

It finds application across finding meting point of oil and fat in food and drug industry, biochemistry, medicines, mining, water management industry.

Specifications:

Model no.	LD-LDMP-B13
Power	110 to 220V 50, 60Hz 120W
Weight	5 kg
Display	TFT Touch screen
Dimension	400 × 280× 330 mm
Interface	USB RS232 SD card Enternet
Repeatability	0.1°C/Min , ±0.1°C
Camera & Video	Camera & Video
Result storage	1000
Video playback	Yes
Detection method	Fully automatic (compatible with Semi-automatic)
Operator account	20
SD card capacity	16 G
Capacity per batch	2 pcs/batch

Temperature accuracy	±0.3°C
Temperature gradients	(0.1 to 10.0)°C/Min
Opening capillary size	I.D>1.0 mm, O.D.1.4 mm
Temperature resolution	0.1°C
Temperature control range	4 to 100°C

Melting Point Apparatus LD-LDMP-A32 offers a processing capacity of four-sample batches for simultaneous processing up to 4 capillary tube samples per run. The system has an integrated visual monitoring system, featuring high-resolution optics to precisely observe melting transitions. It is equipped with a bright sample chamber illumination, ensuring visible observation of samples throughout the melting process. Our melting point apparatus is constructed from high-quality stainless steel and aluminum, delivering precise thermal conductivity.

Features:

- Capillary Tube Sample Holders
- High-Precision Temperature Sensors
- Automated Melt Detection
- Optical / Magnification System
- High- Speed Preheating Mode

Applications:

Melting Point Apparatus LD-LDMP-A32 observes the precise temperature range at which it transitions from solid to liquid. It is widely used in forensics, pharmaceuticals, and chemical industries for identifying unknown solids by comparing their melting behavior.

Specifications:

Model no.	LD-LDMP-A32
Accuracy	± 0.3°C (< 200° C) ± 0.5°C (>200° C)
Data Storage	32 Hard Drive, 2GB Memory
Display Mode	8’HD Color Screen
Heating Mode	Conduction fluid heating or hot block air heating
Power Supply	110 to 220 V 50 Hz / 60 Hz
Warming Rate	0.1°C to 20°C
Magnification	20
Repeatability	± 0.1°C at 0.1°C / Min
Data Interface	USB, network wifi interface, RS 232
Video Function	Take pictures and Videos
Video Playback	Have a time watermark
User Management	>60
Detection Method	Fully automatic

Power Consumption	120 W
Temperature Range	RT to 350°C
Processing Capacity	4 / batch
Temperature Resolution	0.01°C
Standard Capillary Size	Outer diameter 1.4mm, inner diameter 1.0 mm
Temperature Control Mode	PID temperature control furnace body fully sealed design
Experimental Method Storage	300 sets
Packing Dimension (W × D × H)	500 × 300 × 400 mm