



KLABS Precision Automatic Melting Point Analyzer Digital Touch Screen



Product Description

KLABS KMPA-90 Precision Automatic Melting Point Analyzer perfectly combines high-precision temperature control and high-definition video camera technology to provide accurate, stable and reliable melting point determination. The instrument offers automatic real-time sample monitoring, HD video recording, touch-screen operation and compliance with major pharmacopoeias, making it suitable for pharmaceutical, chemical and research laboratories.

Features

- HD recording function, easy to observe and look back.
- Large temperature range from room temperature to 420°C.
- Heating rate adjustable from 0.1°C/min to 20°C/min.
- Large 8 Inch Touch Screen HD color display.
- Four samples can be determined simultaneously.
- Printer connectivity for real-time and historical data printing.
- Complies with Pharmacopoeia test methods including European Pharmacopoeia, United States Pharmacopoeia and Chinese Pharmacopoeia.
- *Compliance with 21 CFR Part 11, audit trail, pharmacopoeia and electronic signature.*

Application/Uses

- Pharmaceutical Industry
- Chemical Industry
- Universities & Research Institutes
- Government Laboratories



KMPA-90

Technical Specifications

Parameter	DigiPol-M30	DigiPol-M50	DigiPol-M70
Temperature Range	RT -360°C	RT -420°C	RT -360°C
Detection Method	Semi-automatic	Semi-automatic	Automatic with manual
Test Mode	Melting point	Melting point	Melting point
Accuracy	±0.3°C (<250°C)±0.5°C (>250°C)	±0.2°C (<250°C)±0.4°C (>250°C)	±0.3°C (<250°C)±0.5°C (>250°C)
Data Storage	32G	64G	32G
Graph Save	200 units	400 units	200 units
Map	-	-	Any zoom

Parameter	DigiPol-M80	DigiPol-M90	DigiPol-M130
Temperature Range	RT -400°C	RT -420°C	RT -420°C
Detection Method	Automatic with manual	Automatic with manual	Automatic with manual
Test Mode	Melting point	Melting point	Melting / boiling / cloud / slip point
Accuracy	±0.2°C (<250°C)±0.4°C (>250°C)	±0.2°C (<250°C)±0.4°C (>250°C)	±0.2°C (<250°C)±0.4°C (>250°C)
Data Storage	64G	128G	128G
Graph Save	400 units	600 units	600 units
Map	Any zoom	Any zoom	Any zoom
Large Capillary Size	-	-	OD: Φ4.2mmID: Φ3.8mm

Technical Specifications

Parameter	Specification
Processing Capacity	4 pcs per batch
Temperature Resolution	0.01°C
Heating Rate	0.1°C–20°C (200 gears, steplessly adjustable)
Temperature Control Mode	PID precise temperature control, fully enclosed design of the furnace body
Repeatability	Melting point repeatability was ±0.1°C at 0.1°C/Min
Magnification	9 times
Display Method	10.4 inch FTF color touch color screen
User Management	YES / Level 4 authority
Audit Trails	YES
21 CFR Part 11	YES
Custom Method Libraries	YES
Export File Verification MD5	YES
Printing	WIFI, serial port
Export Format	PDF & EXCEL
Data Interface	USB, RS232, SD, Wi-Fi, RJ45, U disk
Small Capillary Size	OD: Φ1.3mm, ID: Φ1.1mm
Packing Size	430 × 320 × 370 mm
Power Supply	110-230V, 50/60Hz, 120W
Gross Weight	6.5kg