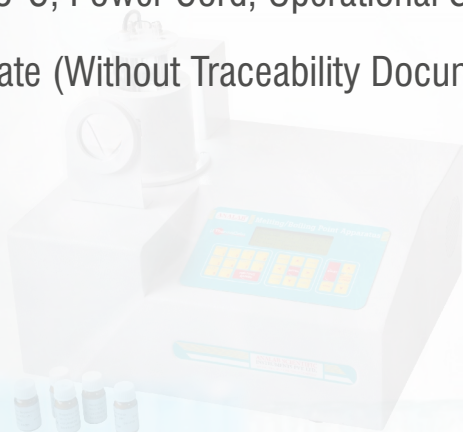


Programmable Melting/Boiling Point Apparatus

Model: μ ThermoCal25 | Make: ANALAB | HSN Code: 90278990



Supplied with 250ml Beaker, Teflon Lid, Tubular Heater, RTD Sensor, Silicon Oil (200g Bottle), Melting Capillary One End Sealed (Pack of 100 Nos.), Boiling Tube, Teflon Coated Magnetic Paddle, Sample Tapping Rod, Two Melting Standards 49°C and 238°C, Power Cord, Operational & Instruction Manual with SOP, Calibration Test Certificate (Without Traceability Document) and Warranty Card.



Technical Specification:

Temperature Controller	: Microcontroller Based
Heating Media	: By Silicon Oil
Temperature Range	: +5°C above ambient to 300°C
Readability	: 0.1°C
Temperature Accuracy	: ± 0.5°C
Overheating Protection	: In-built - Set by user in method parameter.
Heating Before EMP*	: Automatic heating depending upon temperature difference
Heating Rate	: 0.2, 0.5, 1.0, 2.0 & 5.0 °C/min - Selectable after Set Point (EMP)
Temperature Heating	: Automatic depending upon heating requirement.
Temperature Calibration	: On-site with calibrated thermometer OR temperature indicator OR Pharmacopeia Standard.
Magnetic Stirrer	: Built-in with soft touch Key speed controller
Melting Capillary Port	: Three
Boiling Tube	: One
Calibration	: Six Calibration Standards (As per Pharmacopeia AND /OR Customer's known standards)
Method	: 10 analysis method with View & Edit facility
Temperature Sensor	: Simplex PT-100
Glass Melting Capillary	: OD: 1.4 to 1.6mm ID: 1.0mm Length: 100mm One End Sealed
Sample Filling Height	: 3mm
Viewing of Melting Capillary	: 10x Magnifying Glass
Display of Melting Range	: Simultaneous MP1 (On set temperature) & MP2 (Clear temperature)
Display	: 20 x 4 Line Alphanumeric Backlit LCD
Keypad	: Membrane waterproof polycarbonate soft touch keypad compliance to UL/ROHS
Calibration Data Storage	: Non-Volatile Memory which can store, print & view calibration date & time, company name, standard name with temperature, actual reading of standard temperature, observed temperature, calibration done by, instrument serial number/ID, model number etc.
Analysis Data Storage	: More than 500 analysis data can be stored with corresponding calibration data, analysis date & time, record number, Batch number / ID, sample name, username, assigned method number, MP1 (On set temperature) & MP2 (Clear temperature) reading of all three reading, instrument ID, serial number, model number, make, etc. Secondly , analysis data can be print online without saving in Instrument.
Password Protection	: Date & Time, Calibration Mode, Delete Stored Analysis Data and Restore Factory Set Calibration Data
Printer Interface	: Centronics Parallel Port / Serial (RS-232 C) Port
Printer	: 40 / 80 Column Dot Matrix Printer (Printer to be procure optionally)
Power Supply	: 230VAC ± 10%, 50 Hz

* EMP: Expected Melting Point

Optional

1. IQ/OQ/PQ/DQ Documents

Note:

- 1) Please provide Customer's Name & Address prior to dispatch.
- 2) To perform onsite documentation, visit charge will be extra depending upon place of Installation.
- 3) Traceability documents along with installation report.
- 4) Standards / Chemicals / Buffers required to perform documents are in customer's scope.
- 5) We don't send documents by email.

2. Calibration Standard Kit for Melting Point Apparatus - (ANALAB Certified)

Consist of 06 Melting Standards as specified bellow, Melting Capillary One End Sealed 100 mm Long (Pack of 100) – 02 Pack, Boiling Tube – 02 Nos., Sample Tapping Rod.

Melting Standards :

- | | |
|------------------------------------|--------------------|
| a) Benzophenone - Melting Range | : 47 - 49 °C |
| b) Vanillin - Melting Range | : 81 - 83 °C |
| c) Benzoic Acid - Melting Range | : 121.5 - 123.5 °C |
| d) Sulfanilamide - Melting Range | : 164 - 167 °C |
| e) Caffeine - Melting Range | : 235 - 238 °C |
| f) Phenolphthalein - Melting Range | : 258 - 262 °C |

Note: Melting Range / Melting Point specified on standard bottle is re-pack based on the values of batch number specified by manufacturer and their COA.

3. Keypad Screen Guard

Available other Models of Melting / Boiling Point Apparatus

- Microcontroller Based Melting/Boiling Point Apparatus Model: ThermoCal - Resolution: 1.0°C & Temp.: 300°C with Silicon Oil
- Microcontroller Based Melting/Boiling Point Apparatus Model: μ ThermoCal10 Resolution: 0.1°C & Temp.: 300°C with Silicon Oil
- Programmable Melting/Boiling Point Apparatus Model: μ ThermoCal25 Resolution: 0.1°C & Temp.: 300°C with Silicon Oil & Printing Facility as per Non-GLP Format
- Automatic Programmable Melting Point Apparatus Model: μ ThermoCal25+ with Manual Boiling Point, Block Technology, Resolution: 0.1°C, Temp.: 350°C & Printing Facility as per Non-GLP Format
- Automatic Programmable Melting Point Apparatus Model: μ ThermoCal50 with Manual Boiling Point, Block Technology, Resolution: 0.1°C, Temp.: 350°C & Printing Facility as per GLP Format
- Automatic Programmable Melting Point Apparatus Model: μ ThermoCal100 with Manual Boiling Point, Block Technology, Resolution: 0.1°C, Temp.: 400°C, Printing Facility as per GLP Format & 21 CFR Part-11 Compliance

Product Range

- pH/mV/°C/ORP Analyzer • Conductivity/TDS/Resistivity/Salinity/°C Analyzer
- Multiparameter Analyzer (pH/ORP/Conductivity/TDS/Resistivity/Salinity/°C)
- Karl Fischer Titrator • Auto Titrator • Automatic Melting Point Apparatus
- Flame Photometer • Friability Test Apparatus • Tablet Dis-integration Test Apparatus
- Tap Density Test Apparatus • Tablet Hardness Tester • Leak Test Apparatus
- Tablet Dissolution Test Apparatus • Electromagnetic Sieve Shaker • Ultrasonic Bath (Sonicator) • Analytical Electronics Balance • Halogen Based Moisture Analyzer
- Visible & UV-Vis. Spectrophotometer • Nitrogen Gas Generator • Zero Air Gas Generator • Combination Nitrogen / Zero Air Gas Generator • Air Drying Unit for TOC Analyzer • Dew Point Apparatus • Gas Handling & Purification System • Laboratory Furniture & Fume Hood • Exhaust Hood for AAS/ICP.

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Specification & design are subject to change without prior notice for our continuous development.