

LabTech Model 87

Petroleum Wax Melting Point Apparatus

PDS LabTech Model 87 is an automated laboratory instrument for the determination of the melting point of petroleum, paraffin, or scale wax by cooling technique in accord with the ASTM D87 Test Method.

- Store and export test results via USB 3.0 ports.
- Wireless keyboard with touchpad included
- Economical solution to reduce operator-to-operator test variability



ASTM D87, IP 55, TAPPI T 630, FED-STD-791



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LabTech Model 87 | Petroleum Wax Melting Point Apparatus

Key Features & Benefits

- ✓ Fully Automated system for determination of petroleum wax melt point.
- ✓ Calibrated traceable RTD probes- eliminates use of mercury thermometer.
- ✓ Dual test cells in a single easy-to-fill removable bath allows for more throughput.
- ✓ Fully automated test once the sample is liquefied and inserted.
- ✓ Very simple touchscreen GUI interface with visual and audible test status.
- ✓ Store and export test results via USB 3.0 ports.
- ✓ Wireless keyboard with touchpad included
- ✓ Economical solution to reduce operator-to-operator test variability

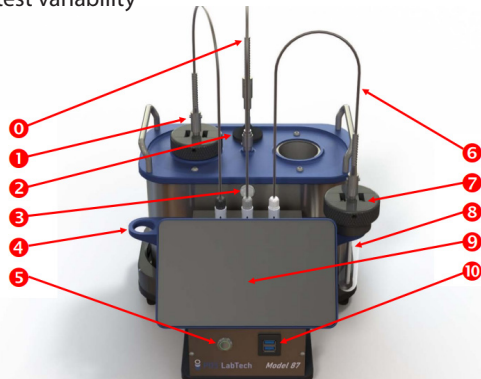


Figure 1: PDS LabTech Model 87 Components

Air/Water Bath RTD Temperature Sensor	0
Left Test Cell RTD & Sample Vial Holder – shown inserted in testing position	1
Water Bath Fill/Drain Cap	2
Water Bath Sight Gage for Checking Water Level	3
Sample Vial Rest	4
Power On/Off Switch & LED Indicator	5
Right Test Cell RTD	6
Right Sample Vial Holder – shown in Sample Vial Res	7
Borosilicate Glass Sample Vial - 25 mm OD x 100 mm Long	8
Color LCD Touchscreen	9
USB 3.0 Ports	10

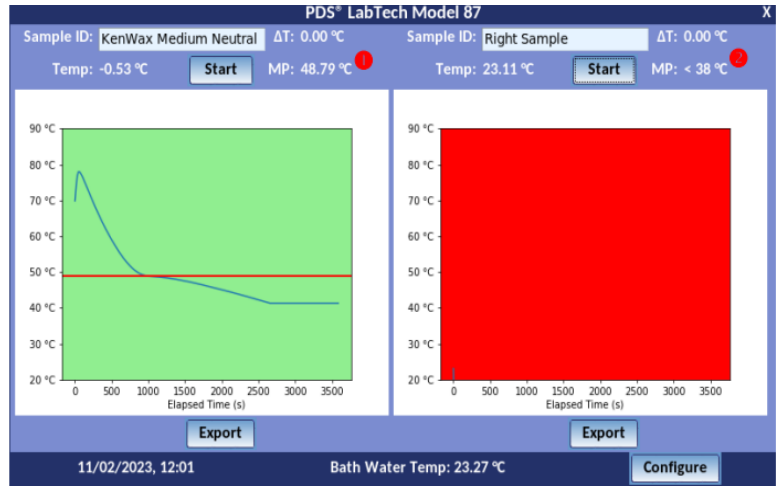


Figure 2: PDS LabTech Model 87

Main screen with a successful melting point determination on the left cell.

Product Specifications

Model No.	LTM-87
Dimensions (W x D x H)	11.5 in. x 12.0 in. x 9.0 in. (29.2 cm x 30.5 cm x 22.9 cm)
Weight (dry)	20.0 lbs. (9.1 kg)
Water Bath Capacity	2 L
RTD Temperature Sensor Calibrated Range	20 °C to 100 °C
RTD Temperature Sensor Accuracy	+/- 0.05 °C
Electrical Specifications – Instrument Power	5.1 VDC at 3A peak
Timing resolution	0.01 s (timing accuracy to ± 0.001 s)
AC/DC Power Adapter (supplied)	100-240 VAC, 50/60 Hz, 150 W max
Operating Conditions	15 °C to 30 °C, 10% to 75% R.H. (non-condensing)
Data Output	USB 3.0