

# 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 Automatic system for determination of petroleum wax melt point.
- ✓ Calibrated traceable RTD probes- eliminates use of mercury thermometers.
- ✓ 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.
- ✓ Include wireless keyboard for ease of ID entry.
- ✓ Economical solution fits to wide range of industries.

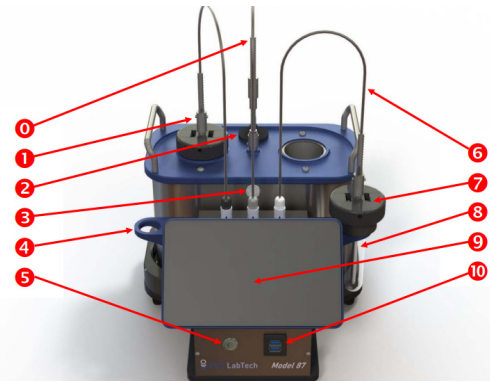


Figure 2: PDS LabTech Model 87 Components

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	3.7 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, CE mark
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

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

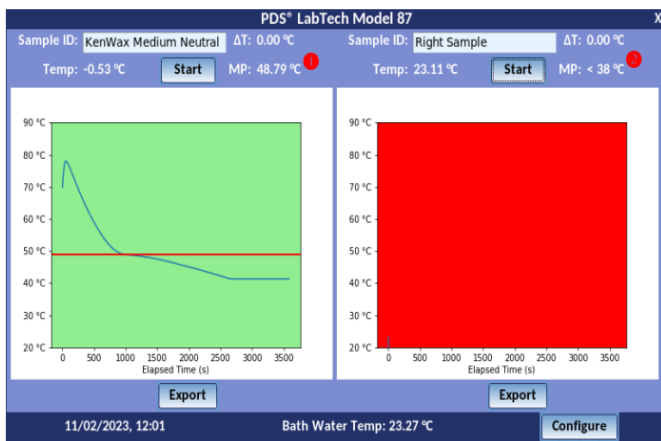


Figure 1: PDS LabTech Model 87 Main screen with a successful melting point determination on the left cell.

Figure 3: LabTech Programmable Dry Bath Accessory



Ordering Information	
P/N	Item Description
3950-A10	Main Unit – <b>LabTech Model 87 Wax Melting Point Apparatus</b>
3950-A11	Spare Part – <b>Set of (6) glass 25 x 100 mm test tubes with fill line mark</b>
3950-A12	Accessory – <b>LabTech Programmable Dry Bath</b> for pre-warming wax in up to (6) vials, Ambient+5 °C to 120 °C, 115V AC, 50/60 Hz, 220 W, UL/CE/CSA