



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DROP MELTING POINT APPARATUS FOR PETROLEUM WAX - IP 371 & U.S. PHARMACOPEIA - DIGITAL INDICATOR WITH ACCESSORIES



Compliance Standard

IP 371

Application

The **EIE Drop Melting Point Apparatus** is designed for determination of the **Drop Melting Point of Petroleum Wax** in accordance with **IP 371**. The apparatus is particularly suitable for testing **petrolatum, microcrystalline wax and similar petroleum wax products**.

Test Principle

The test specimens are deposited on the bulbs of two chilled thermometers by dipping them into the prepared sample. The thermometers carrying the specimens are positioned inside test tubes and gradually heated in a controlled water bath.

The **Drop Melting Point** is determined as the **average temperature at which the first drop of melted sample falls from each thermometer bulb**.

Construction & Features

- Robust heating unit housed in a **mild steel enclosure**.
- **Digital Temperature Controller** provides controlled heating of the water bath.

Corporate Office:

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Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



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Digital Temperature Controller provides controlled heating of the water bath.

- Transparent **Pyrex glass jar of approximately 1500 ml capacity** serves as the water bath.
- Pyrex jar is provided with a specially designed **Teflon cover** for proper positioning of the test assembly.
- Teflon cover incorporates provision for:
 - Accommodation and positioning of the test tube.
 - Cork stopper with central opening for holding the test tube.
 - Filling port with removable cap for convenient addition of bath liquid.
 - Separate opening with suitable cork holder for positioning the bath thermometer.
- Glass test tube of approximately **25 mm outside diameter × 150 mm length**.
- Test tube is provided with a suitable **cork stopper with central opening for positioning the test thermometer**.
- Designed for convenient operation and observation of the sample during determination of the drop melting point.

Standard Accessories

The apparatus is supplied complete with:

- Pyrex Glass Jar – 1500 ml capacity
- Teflon Jar Cover
- Glass Test Tube – 25 mm OD × 150 mm length
- Suitable Cork Stoppers / Holders
- IP 40C Thermometer
- IP 41C Thermometer

Electrical Supply

230 V, 50 Hz, Single Phase AC

Ordering Information

EIE Drop Melting Point Apparatus – Complete as per IP 371, supplied with necessary test accessories and IP 40C & IP 41C thermometers.

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