



Purpose

This test method covers the determination of the dropping point of lubricating grease.

Significance & Use

The dropping point is useful to assist in identifying the grease as to type and for establishing and maintaining bench marks for quality control.

Apparatus Details

The complete test assembly consists of following parts & accessories

1) Grease Cup

A chromium-plated brass cup conforming to ASTM D2265.

No of cups : 06 Nos

2) Test Tube

Thin walled soft glass test tube with rim

Length	: 110 ± 1 mm
Inside diameter	: 11 mm
Outside diameter	: 13 mm max
No of tubes	: 06 Nos

3) Cup support

Glass support tubing

Length	: 16 ± 1 mm
Inside diameter	: 9-10 mm
Outside diameter	: 8-9 mm
No of support	: 06 Nos

4) Accessories

The entire instrument will be supplied with essential accessories such as Thermometer clamp, bushing, bushing support ring, thermometer depth gauge, a metal rod and a cup gauge.

5) Aluminum block oven

Digitally controlled Aluminum block oven

Rectangular design

Complete stainless Steel structure

Exterior body	: Constructed from matt finished stainless steel material S.S. - 304 Grade
Inner body	: Aluminum block with 6 vertical holes
Viewing ports	: Six large viewing ports with fluorescent backlighting for excellent visibility.
Temp measurement	: By Pt-100 temperature sensor
Temperature range	: +5 °C above ambient to 400 °C
Temperature control	: By microprocessor based Auto-Tune Digital PID Temperature controller cum Indicator
Temperature Display	: LED Display
Dual LED Display	: For set point temperature and process value temperature indication
Temp accuracy	: ± 0.5 °C
Temp resolution	: 0.1 °C
Safety features	: Over temperature safety cut-off system
Operates on	: 230 Volts, 50 Hz, Single Phase, AC Supply
Power consumption	: 2 KW, 8 Ampere
Accessories	: Supplied complete with six dropping point assemblies

Microprocessor temperature control with digital readout and over temperature safety cut-off maintains block temperature with ±0.5°C stability. Insulated cabinet has a chemical resistant polyurethane finish.

6) Thermometer for Aluminum block oven

Temperature Range	: -5 °C / 400 °C x 1 °C
Total length	: 400 mm
ASTM No	: ASTM 3C
Equivalent IP No	: IP 73C
No of thermometer	: 02 Numbers

Note: Specifications are subject to change.