



### 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.