

RDP6B



DROP POINT APPARATUS

Dropping point determinations are used for identification and quality control purposes, and can be an indication of the highest temperature of utility for some applications. The sample is heated at a prescribed rate in a precision machined cup whose sides slope toward an opening at its center.

RASAYAN drop point complies The ASTM D2265 dropping point test method which permits higher temperatures than the ASTM D566 method and uses a different heating procedure: the test cell is inserted in an aluminum block oven maintained at a constant temperature that is higher than the expected dropping point of the sample. The sample temperature then rises to the dropping point without operator control.

SALIENT FEATURES:

- compaq design
- complies to ASTM D2265
- temperature range: 400C
- six sample test capacity
- Microprocessor based PID temperature control for accurate temperature controlling.
- control stability: 0.5 C
- power supply: 230 volts, single phase.

APPARATUS DETAILS

- The complete test assembly consists of following parts & accessories.
- Grease Cup
 - A chromium-plated brass cup conforming to ASTM D2265.
 - No of cups : 06 Nos.
- 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.
- Cup support
 - Glass support tubing
 - Length : 16 ± 1 mm
 - Inside diameter : 9-10 mm
 - Outside diameter : 8-9 mm
 - No of support : 06 Nos
- 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.
- 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 $\pm 0.5^{\circ}\text{C}$ stability. Insulated cabinet has a chemical resistant polyurethane finish.
- Thermometer for Aluminum block oven
 - Temperature Range : $-5^{\circ}\text{C} / 400^{\circ}\text{C} \times 1^{\circ}\text{C}$
 - Total length : 400 mm
 - ASTM No : ASTM 3C
 - Equivalent IP No : IP 73C
 - No of thermometer : 02 Numbers

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| MODEL | RDP6B* |
| MAKE | RASAYAN |
| Capacity | 6 sample. |
| TEMP. RESOLUTION | 0.1C |
| TEMP.ACCURACY | 0.5C |
| TEMP RANGE | AMBIENT +5C TO 400C |
| TIMER | 99:59 HRS. |
| BLOCK MATERIAL | ALUMINUM |
| ALARM | AUDIO ALARM FOR CYCLE COMPLETION INTIMATION |

image shown in catalog are for reference only due to continues upgradation original unit might be differ from it

*XX=sample size