

Dropping Point of Lubricant Grease over Wide-Temperature Range (manual)

ASTM D 2265, ISO 6299, DIN 51825, JIS K2220

Product group(s): Grease

User group(s): Lubricating Grease

Scope: This method covers the determination of the dropping point of lubricating grease, this point being the temperature at which the first drop of material falls from the cup.

Test temperatures are 121 °C, 232 °C, 288 °C and 316 °C.



Dropping Point Test Equipment

More details are mentioned in the "Order Number" section

Main Unit

17-0151 **Digital Dropping Point Tester**
ASTM D 2265 - DIN 51 825 - ISO 6299 - JIS K2220

Six-unit oven with automatic thermo-regulator

Consisting of:

aluminum block oven, enclosed in a rectangular metal housing, heavily insulated with ceramic insulating slabs. The block has 6 wells for the vertical insertion of the test tubes and 6 horizontal drill holes for the observation and the illumination of the test zone below the grease cup. Mounted on the rear side of the metal housing at horizontal drill hole level, are the lamp unit and the reflector.

Accessories for the block oven:

6 each of upper and lower thermometer support bushings, 6 grease cup supports, thermometer depth gauge, 7 thermometers ASTM 3C, 12 grease cups, 12 glass test tubes and 2 polished rods.

Attention!

The thermometer support bushings are a Petrotest modification with self-centering function and safe-clamping of the thermometer. To avoid health-hazards caused by the hot oven surface, we recommend the heat protection cage.

Operating Range of the oven: until 350 °C

Power supply: 230 V, 50/60 Hz

17-0152 **Digital Dropping Point Tester**
Like 17-0151 but:
Power supply: 115 V, 50/60 Hz

Spare Parts

13-0023	Thermometer ASTM 3C Range: -5 to +400 : 1 °C Length: 415 mm, Immersion: 76 mm, Ø 6.5 mm
13-0024	Thermometer ASTM 3C Range: -5 to +400 : 1 °C (officially certified)
13-0025	Thermometer ASTM 3F Range: +20 to +760 : 2 °F Length: 415 mm, Immersion: 76 mm, Ø 6.5 mm
13-0026	Thermometer ASTM 3F Range: +20 to +760 : 2 °F (officially certified)
17-0090	Grease Cup, chromium-plated brass
17-0092	Metal Rod, Ø 1,5 x 150 mm, polished for sample preparation
17-0157	Glass Tubing Support, for grease cup
17-0158	Test Tube, borosilicate glass (suitable for e.g. ASTM D 2265)
17-0159	Depth Gauge for Thermometer
17-0160	Heater Rod Element, 230 V, 750 W
17-0161	Heater Rod Element, 115 V, 750 W
17-0162	Lamp Bulb, 220 V
17-0163	Lamp Bulb, 110 V
17-0166	Heat Protection Cage-Option
17-0168	Upper Thermometer Support (Petrotest-type)
17-0169	Lower Thermometer Support (Petrotest-type)
17-0170	Inner Ring-Spring for thermometer support (Petrotest-type), pack of 12
17-0171	Outer Ring-Spring for thermometer support (Petrotest-type), pack of 6

Order Guideline

Minimum equipment:	1x 17-0151
Spares (approx. 1 year):	Thermometer, 17-0158
Additional requirements:	