



GREASE, ASPHALT TAR & BITUMEN TESTING

●● HF60.05

Drop point of Grease Apparatus (Gas Heated)

IP : 31/57, BS 894-1956

For determining the drop point of greases i.e. the temperature at which the grease under goes transition from the solid or semi-solid state to liquid state.

It consists of a brass cup 7.5 mm internal dia at wider end, a metal case and cylindrical metal sleeve, a glass boiling tube, beaker, stirrer and 7 mm dia steel ball.

●● HF60.10

Drop point of Grease Apparatus (Electrically Heated)

Same as HF60.05 but supplied with an electric heater and stirrer.

Suitable for operation on 220 V, 50 Hz, single phase supply.

●● HF60.15

Thermometers for Drop Point of Grease Apparatus

These are thermometers used in drop point of grease tests.

Cat.No.	Type	Range
HF60.15.1	IP 40 C	20°C to 120° C
HF60.15.2	IP 41 C	100°C to 230° C
HF60.15.3	IP 5 C	-2°C to +300°C.

●● HF60.20

Drop Point of Lubricating Grease Apparatus (Electrically Heated)

IS : 1448 (P:52) ASTM D 566, IP 132/64

For determining drop point of lubricating grease.

It consists of a chromium plated brass cup 9.9 mm internal diameter at wider end, 40 ml beaker, metal rod, electric heater and stirrer.

Suitable for operation on 220 V, 50 Hz single phase supply.

●● HF60.25

Thermometer for Drop Point of Lubricating Grease Apparatus

These are used in drop point of lubricating grease tests.

Cat.No.	Type	Range
HF60.25.1	IP 62 C	20°F to 580° C
HF60.25.2	IP 62 C	-5°C to +300° C.

●● HF60.30

Standard Penetrometer

IS : 1203, 1448 (P:60), 310, IP 49, 50
ASTM D-5, 217, D-637

For determining the consistency of grease, petroleum. Bitumen, tar, wax, food stuffs, rubber, cement, asphalt and pharmaceutical creams, etc.

It has a base with levelling screws on which a vertical pillar is mounted. A head together with dial, plunger rod & cone (or needle) slides on the pillar and can be clamped at any desired height.

A rack, pinion and pointer assembly provides fine adjustment to the needle and the slipping clutch mechanism enables accurate measurements of penetration. The dial is

graduated in 40 x 0.1 mm divisions. Easy reading is made possible by using a red needle against black graduated figures. Supplied complete with one 50 gms and 100 gms weight without cone or needle.

●● HF60.35

Universal Penetrometer

Same as HF60.30 but provided with coarse and fine movement for the head. This is achieved by micrometer differential gearing system.

●● HF60.40

Universal Penetrometer with Automatic Time Controller

Same as HF60.35 but has an automatic timer controller.

The automatic timer supplies 220 V, D.C. output for exactly 5 seconds to a timing head (built in electromagnet). The timer head allows the plunger rod to fall freely for 5 seconds and clamps it automatically after 5 seconds.

Suitable for operation on 220 V, 50 Hz, single phase supply.



HF 60.30



HF 60.40