FADAK LAB EQUIPMENTS

SOM-005 BRINELL HARDNESS TESTER

DESCRIPTION : The Brinell scale characterizes the indentation hardness of materials through the scale of penetration of an indenter, loaded on a material test-piece. The Brineel method applies a pre determined test load to a carbide ball of fixed diameter which is held for predetermined time period and then removed.The resulting impression is measured across at least two diameters and these results averaged. A chart is then used to convert averaged diameter measurements to Brinell Hardness Number.

RANGE OF EXPERIMENTS :

1. To Measure the hardness of given specimen using Brinell hardness tester.

TECHNICAL DESCRIPTION :

Test Loads 500 to 3000 kgf in steps of 250 kgf
Capacity – Throat 200 mm.
Mac test height – 410 mm.
Hydraulic Power pack & control circuit for effortless
Loading/unloading operation.
Facilities production testing within tolerance limits. As set on dial gauge.
Conform to IS : 2281,
BS : 240 & ASTM : E 10

SERVICE REQUIRED : 440 V , AC Three Phase, Foundation As Per Drawing
SPACE REQUIRED : 0.7 m. (L) x 0.7 m (W) X 1 m (H).
WEIGHT : @ 75 Kg

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