

MOULD HARDNESS TESTER



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1 Application

- To check the hardness of the moulds at different locations, prepared with green moulding sand.

2 Description

- This is a handy instrument with a dial indicator to check the hardness of the green sand mould from 0-100 nos. It consists of the ball point tip of certain radius made from alloy steel & spring which is fixed by calibration for fixed load.

3 Operation

- Hold the instrument in vertical position to check the hardness on horizontal portion of the mould. For test on vertical portions of mould, hold the instrument in horizontal position.
- Press the ball point tip on the mould surface until the bottom ring of the instrument body completely comes in contact with mould surface.
- As the tip penetrates in the mould the pointer of dial shows movement.
- The depth of penetration of the tip in the mould indicates the hardness number on the dial indicator.

4 Precautions

- Do not drop the instrument, as it may cause the damage to the dial indicator & disturbance in calibration settings.
- Clean the instrument after use.

Do not disturb the settings & do not try the rectification in case of breakdown of the instrument.