

TECHNICAL SPECIFICATION FOR PORTABLE HARDNESS TESTER

1. The proposed portable hardness tester is required to measure the hardness on heavier castings and forgings covering ferrous & non-ferrous materials even on rough and curved surfaces.
2. The portable hardness tester shall have
Accuracy: plus or minus 0.5%;
Hardness scales: HB(80-650 for ferrous, 20-300 for non-ferrous), HV(80-1000), HRB(20-100) & HRC(20-80);
Weight: 250gms. Maximum.
3. The portable hardness tester shall include the following accessories:
 - Impact device
 - Electronic indicating device/display
 - Standard test block
 - printer
 - consumables.
4. Portable hardness tester shall be calibrated with standard test block and calibration certificate is to be furnished along with equipment.
5. Supplier shall give a technical catalogue of the proposed equipment along with quotation.
6. Supplier's engineer shall commission portable hardness tester at BHEL.
7. Supplier shall be responsible for service after sale.
8. The hardness tester shall be guaranteed for trouble free/satisfactory operation for a period at least 18 months from date of commissioning.

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