

Facility for magnetic measurements of soft magnetic materials

NRTC offers a unique facility for the study and analysis of the magnetic characteristics of soft magnetic materials through very advance system, available with NRTC. The detailed specifications of the instrument are attached herewith. The scope of the facility is very wide and can be used by the scholars of universities, industrial personnel for their samples and lab / project work etc. The charges are also in the affordable range.

Instrument : **B-H Analyser (Hysteresisgraph)**

Make : Walker Scientific, USA

Model : AMH-401

Specifications

Wide measurement Frequency Bandwidth = 50 Hz to 100 KHz

Magnetic Measurements for Soft Magnetic Materials

- Remanence (B_r)
- Coercivity (H_c)
- Maximum Induction (B_{max})
- Maximum Magnetising Field Strength (H_{max})
- Magnetizing Field DC Bias (H_{bias})
- Core Loss (P_c)
- Core Loss per unit Volume (P_{cv})
- Core Loss per unit Mass (P_{cm})
- Peak Permeability : B_{max} / H_{max}
- Peak Secondary Voltage (V_{2max})
- Frequency (F)



For more details please contact Scientist-in-Charge, NRTC.