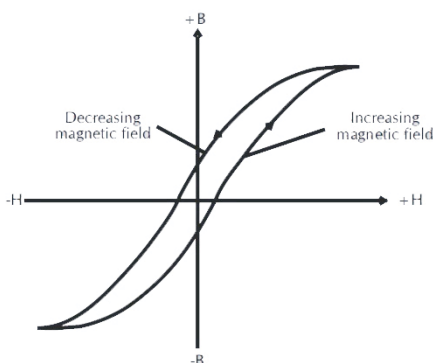


The term magnetic materials is used to represent the substances which possess spontaneous magnetization below a critical temperature. The characterizations which are usually used to define the quality of these materials are coercive field, remanent induction or polarizations, magnetic induction field or magnetic polarizations at saturation, permeability & hysteresis loss, information about these properties can be obtained from magnetization hysteresis loop, which is (visual) curve showing the lag of magnetic induction field (B) or magnetic polarizations) behind the magnetizing field(H).A typical magnetic polarization or B-H curve for a ferromagnetic material is shown in fig



Technical Features:

| | |
|-----------------------|---|
| Step-down transformer | : 4V to 12V/1.2A selectable |
| Solenoid | |
| Length | : 150mm |
| Material of wire | : Copper |
| No. of winding | : 850 turns approx. |
| Pickup coil | : 1nos mounted inside the solenoid |
| Outer Diameter | : 24mm |
| Inner Diameter | : 12mm |
| Material of wire | : Copper |
| No. of winding | : 3000 turns approx. |
| Small resistance | : 1ohm in series for X-plate of CRO |
| Capacitors | : Two nos. 1uf & 2uf selectable through SPDT switch |
| Resistance | : 300K & 500K selectable through SPDT switch |
| Observation | : Test point given to connect the X-plate & Y-plate of general purpose oscilloscope |

Optional:

General Purpose Oscilloscope

MANUFACTURED BY:

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