

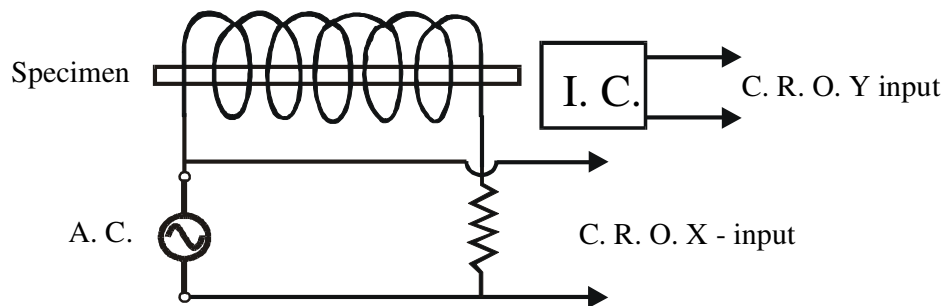
UNIVERSAL B-H CURVE TRACER

First time in INDIA we have developed technique to quickly trace B-H loop of ferromagnetic materials of **any shape without winding primary and secondary coil on the sample**. The present technique is specially



designed for teaching and industrial applications. Universal B-H Curve Tracer is a self contained instrument and need any low cost C.R.O having X-Y gain. In this technique, B-H loop is formed by simply inserting the specimen in a magnetizing coil. It makes use of a specially designed integrated circuit probe to measure the flux density B. Any magnetic specimen, e.g. a 4-inch nail, soft iron wire or a hacksaw blade can be inserted in a magnetizing coil without disturbing the arrangement. Change of the specimen results in a different shape of the hysteresis curve.

The block diagram of the apparatus is shown below:



Applications:

1. Study of the **hysteresis curves** of transformer stampings, ferrites and other magnetic materials of different shapes and determination of their **energy losses**.
2. Study of the **hysteresis curve as a function of the magnetic field**.
3. Determination of **saturation, magnetization, reminance and coercivity** of magnetic materials.



Manufactured by :

MITTAL ENTERPRISES

2151/T-7C, New Patel Nagar, New Delhi – 110 008

Phone : 25702784 (Off.) 25120261 (Res.) Fax : 011-25120261

Mobile:9810681132, E-mail : mittalenterprises@vsnl.com