



55962 Hysteresis Loop Tracer is a versatile training system for the physics laboratories. This Platform is useful in understanding the basic concepts and fundamentals of hysteresis loss in ferromagnetic substances. A precise knowledge of various magnetic parameters of ferromagnetic substances, i.e coercivity, retentivity, saturation magnetisation, hysteresis loss and ability to determine these parameters accurately are important aspects of magnetic studies. The present set-up can accept the samples of different ferromagnetic substances and diameter.

The demagnetisation effects and different samples has been taken into account within the design. The equipment is complete in all aspects, including a set of samples.

Features

1. Variable magnetic field
2. Display of magnetic field in gauss
3. A good quality solenoid coil

Object

Understanding the following magnetic parameters and their measurement by this set up:

1. Coercivity
2. Retentivity
3. Saturation magnetization
4. Various magnetic phase identification
5. Hysteresis loss

Technical Specifications

Display	:	3½ digit
Sample Type	:	Soft Iron, Nickle, Hard Steel
Length	:	39mm
Diameter	:	1.00mm (approx.)
Diameter of pickup coil	:	3.21mm
Mains Supply	:	230V ±10%, 50Hz

Note: Specifications are subject to change.