

Single Stretch Wire Magnetometer

Description: Indigenously developed, versatile, high accuracy system for comprehensive qualification of multipole magnets used in Particle Accelerators.

Capable of accommodating magnets of almost all dimensions. Common magnets which can be measured using this facility includes, dipole magnets, quadrupole magnets, sextuple magnets, Octupole magnets, solenoid magnets and can be modified to measure undulators

Facility Creation Date: September 2016

Report: Can measure all key performance indicators of an accelerators magnets like integral magnetic field strength, homogeneity of integral magnetic field, higher order multipoles, roll angle, pitch angle, yaw angle, and magnetic axis w.r.t geometric axis.

