

## 9T Cryogen free PPMS system

Description: Dedicated facility of “Superconducting magnet based measurement system for magnetic, thermal and electrical characterization of superconducting and magnetic materials”

Facility Creation Date: January 2018

Specifications:

VSM, DC resistivity, Thermal capacity probes.

Magnetic Field: 9 Tesla, GFR (100 ppm):  $\phi 10 \times 10 \text{mm}$ ;

Temperature range : from 1.8K to 400K,

Time stability  $< 10^{-6}$  for constant magnetic field,

Temperature stability:  $< 0.1\text{K}$ , Capability: M-H, DCR, ACS, ACR, Hall effect, Cp measurement, Background:  $\sim 10^{-5}$  emu

