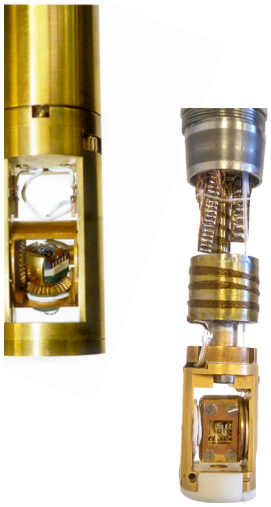
CRYOGENIC

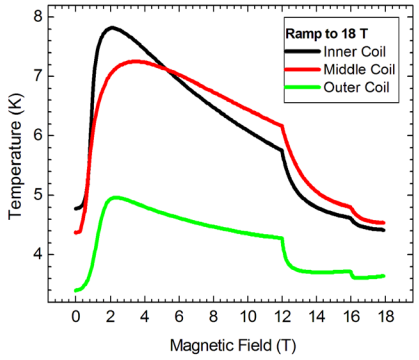
CRYOGEN-FREE MEASUREMENT SYSTEMS TO 18 TESLA

Suitable for physical characterisation of graphene and other two-dimensional structures.

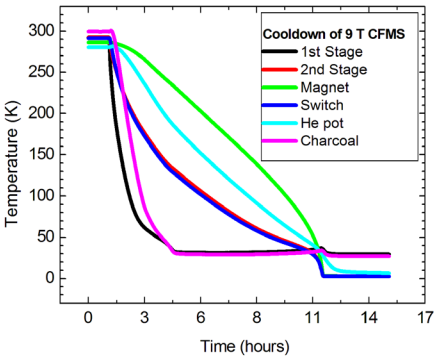
Two-Axis Rotator Probe



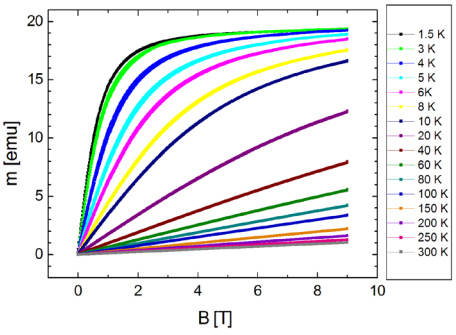
^{3}He Rotator Probe for temperature down to 0.3 K



Ramp of magnetic field to 18 T showing the resistance of a GaAs-AlGaAs hetrostructure at 300 mK, 2 K and 5 K



Typical cooldown graph of 9 T cryogen-free system



Magnetic moment of the paramagnetic material $Gd_2(SO_4).8H_2O$ as a function of field at different temperatures.

Key features

- Magnetic fields from 3 T to 18 T
- 1.6 K to 400 K as standard
- mK stability across the temperature range
- 50 mK to 1000 K available with special options
- 20 bit power supply provides precise field control

Magnetic Measurements

- VSM and AC susceptibility options
- Heater options to 700 K or 1000 K
- Ferromagnetic resonance (FMR) insert)