

CRYOGENIC LIMITED

Cryogen-free 18T magnet

Measurement options:

Vibrating sample magnetometer

Magnetic moment sensitivity: 10^{-6} emu

AC susceptibility: max. AC field: 20 G at 100 H
frequency: 1 Hz – 20 kHz

Temperature range: 1.6 – 325 K, or 270 – 700 K

Resistivity probe – resistivity and Hall effect

Measurable resistivity: 10^{-7} Ω – 10^8 Ω ,

Temperature range: 0.3 K - 1.6 K – 325 K

AC calorimetry

Temperature range: **2 K – 300 K**

Sample: max. 200 x 200 x 50 μm , 1 – 10 μg

Thermal transport and Seebeck coefficient

Temperature range: 2 – 300 K

Sample: max. 10 x 2 x 2 mm

