

# Cryogen Free Measurement Systems 5 to 25 Tesla

- Magnets to 25 Tesla using SuperPower® 2G HTS
- Cryogen Free. No liquid helium needed
- Room temperature bore or variable temperature sample space
- Highly stable magnetic field
- High power Pulse Tube cryocoolers with low vibration
- No maintenance for 3½ years continuous use



Cryogen Free 5 Tesla Mini Vibrating Sample Magnetometer, with AC Susceptibility and High Temperature Facility to 700 K



Cryogen Free 16 Tesla, 50 mm VTI, with option for Dilution Refrigerator Insert for temperatures down to 30 mK

## Measurement Options:

- Vibrating Sample Magnetometer (VSM) for measurements of DC magnetic moment with sensitivity of  $10^{-6}$
- AC calorimeter to measure Specific Heat and Thermal conductivity
- Resistivity and Hall effect probe with sample rotation in field
- AC Susceptibility probe
- MFM/AFM and Pressure Cell options

## Temperature Ranges:

- High Temperatures Insert with temperatures to 1000 K
- He-3 Insert with temperatures down to 300 mK and 30 hours hold time
- Ultra Low Temperatures down to 10 mK with 17 Tesla shielded coil in a Cryogen Free Dilution Refrigerator

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