

High-precision Adiabatic Calorimeter

In-field Heat Capacity Measurement



- Operating parameters
 - Temperature from 1.5 to 400 Kelvin
 - Magnetic fields from 0 to 10 Tesla
- Suitable for measurements of
 - Bulk materials
 - Sample
 - Mass: 0.5 g to 3 g
 - Dimensions: 5×5×3 mm³ to 12×12×5 mm³
- Measurement Options
 - Temperature dependence of heat capacity in zero magnetic field
 - Temperature dependence of heat capacity in constant applied magnetic fields
- Measurement Features
 - Fully automated
 - Adjustable temperature steps
 - Fast data collection, highly reliable data
 - Measurement errors generally less than 1%

Reference: V.K. Pecharsky, J. O. Moorman, and K.A. Gschneidner Jr., A 3–350 K fast automatic small sample calorimeter, Rev. Sci. Instr. **68**, 4196 (1997)