

PPMS[®] DynaCool[™] / VersaLab[™] Measurement Options



Electrical Measurements

D605/V605 Electrical Transport Option (ETO)

AC Resistivity, 4 or 5-wire AC Hall Effect, I-V Curve or Critical Current

D310/V310 High Resolution Horizontal Sample Rotator

Transport measurements as a function of sample angle

D450/V450 Multi-Function Probe

Open probe platform for custom user experiments



Horizontal Rotator

Magnetic Measurements

D525/V525 Vibrating Sample Magnetometer (VSM)

Material magnetometry measurements

D505/V505 AC Susceptibility / DC Magnetization Measurement Option (ACMS II)

AC Response of magnetic materials

D527/V527 VSM Oven

Magnetometry measurements up to 1000 K

D529/V529 VSM Large Bore Measurement Coil Set

Hysteresis measurements on large diameter samples

D550/V550 Torque Magnetometer (TqMag)

Hysteresis measurements of large moment samples

D320-IR/UV V320-IR/UV VSM Magneto-Optic Option (Inquire about Light Source and Filters)

Optical illumination during hysteresis measurements

CRYOFMR- Ferromagnetic Resonance Spectroscopy System

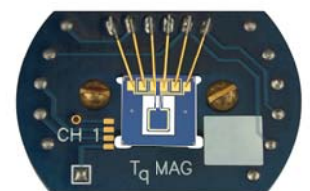
Ferromagnetic response curves



VSM Head



VSM Large Bore Coil Set

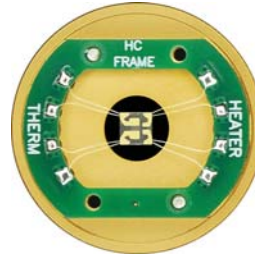


Tq-Mag chip

Thermal Measurements

D655/V655 Heat Capacity Option

Specific heat as a function of temperature and applied magnetic field



Heat Capacity Puck

D670/V670 Thermal Transport Option (TTO)

Thermal conductivity, Seebeck coefficient, electrical resistivity and thermoelectric figure of merit

D680 Dilatometer Option for Thermal Expansion Measurements

Sample expansion as a function of temperature and magnetic field
(Resolution = 10^{-9} for 2 mm sample)



Dilatometer Capsule

High Pressure Measurements

HMD Pressure Cell for Magnetometry

1.3 GPa BeCu Hydrostatic Pressure Cell



Pressure Cell Kit

HPC-33 Pressure Cell for Electrical Transport

3 GPa BeCu Hydrostatic Pressure Cell with electrical leads

Low Temperature Measurements

D825 Helium-3 System

Transport and heat capacity measurements from 0.5 K to 350 K

D850 Dilution Refrigerator System

Transport, heat capacity and AC Susceptibility measurements from 50 mK to 4 K



Helium-3 System

AC DR - AC Susceptibility module for Dilution Refrigerator systems

AC Response of magnetic materials from 50 mK to 4 K

ADR - Adiabatic Demagnetization Refrigerator module

Transport measurements from 100 mK to 350 K



ADR Module

50 mK AC DR Probe



AC DR Coil Set



Quantum Design

Quantum Design, Inc.
10307 Pacific Center Court, San Diego, CA 92121
Tel: 858.481.4400 Fax: 858.481.7410
www.qdusa.com • info@qdusa.com