

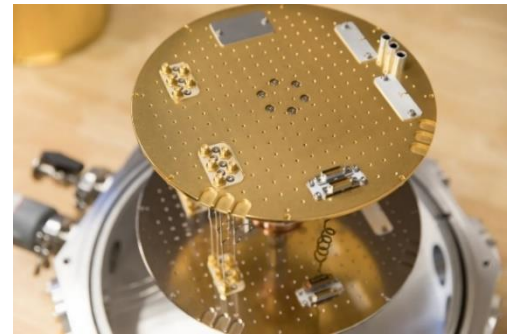


Cryo-K Low Vibration Cryostat

The Cryo-K is a line of versatile cryostats used primarily for non-optical low-temperature experiments. These systems offer the most cryogenic work volume and option/geometry flexibility of anything available today and are highly customizable with many options. Interface ports are available at the base level for RF, DC, or fiber optic connections via the industry standard KF40 and KF50 side panels.



<u>Model</u>	<u>Base Temp</u>	<u>Cold Plate Cooling Power</u>
K200	2.8K	200mW @ 4.2K
K500	< 3.0K	500mW @ 4.5K
K1000	< 3.0K	1000mW @ 4.5K



Key Features:

- 250mm diameter cold plate
- 40K radiation shield with optional windows
- 25 DC connections available to user, integrated and heat sunk at 4K cold plate
- Integrated turbo pump, roughing pump, and full-scale pressure gauge
- Integrated temperature sensors and heaters on 1st Stage, 2nd Stage, cold plate, and radiation shield

Options:

Rapid warm-up: Adds 50W heaters to cooling stages for rapid warm-up. This expedites experimental cycle time.

RF Connections: Up to 20 high frequency coaxial lines can be installed and heat sunk to the sample stage.

DC Lines: With multiple KF style vacuum ports, hundreds of sample wiring connections can be made available at the sample stage. External connections via standard Micro D25 connector.

Fiber optics: SMA or SMP connectors on side panel.

Optical ports: Available on request.

Sub 1K: We can integrate temperatures of 0.1K or 0.3K depending on your cooling power requirements.

A one-week on-site installation trip with in depth training of system architecture, functionality of components, and user operation is provided with all systems.