Research cryostat  
Model 104 Olympus

ADR PT Cryostat Features

CryoMech PT 410/415 Pulse Tube Head
- Remote or Internal Rotary Valve Motor
- Vibration Isolation Bellows
- 1.0W/1.5W cooling power at 4.2K

HPD ADR (NIST design)
- Kevlar Suspension
- 1K & 50mK Stages

Optimized for Versatility, Flexibility
- 2X NW80 ports on top flange
- 4X NW63 ports on top flange
- 7X NW50 ports on top flange
- 2X NW200 ports on vacuum jacket side
- 4X NW50 ports on vacuum jacket side
- 1X Ø6” port on vacuum jacket bottom
- Electrically controlled heat switch
- Quick release flanges on thermal shields and vacuum jackets
- Nickel plated aluminum thermal shields (50K, 4K)

Robust Internal Construction
- Easy to invert or transport

Custom Service Stand
- Allows for transport & servicing
- 30 inches of height adjustment

Large Experimental Space
- 17.4” Diameter X 23.7” Height

ADR PT Cryostat Performance

- Cool Down from 300K to 4K in 14 hours
- Pulse Tube Stage Temperatures of 50K and 2.7K
- ADR Base Temperature of 50mK
- Cycle time below 100mK of >150hrs (with no heat loads)