

## LARGE SCALE PULSE TUBE 4 KELVIN CRYOSTAT

### Q 2.6-LPTC-4K: Large Scale Pulse Tube 4 Kelvin Cryostat.

- 500mm X 600mm X 250mm Experimental Volume.
- 4K Optical bench OFHC copper plate. Gold plated (> 2um thick), M3 Stainless Steel threaded inserts grid.
- Cooling power 1.5W at 4.2K, optional 3W with two Pulse Tube cooler, optional He3 or He3/H4 milliKelvin module available
- Designed for low vibration: oversize 4" Stainless supporting frame, CFRP support stringers, optical bench first resonant mode up to 300Hz, high flexibility thermal braid between pulse tube and cold plates.
- Actively cooled super insulated aluminum shields at 90K, actively cooled gold plated OFHC shields at 4.2K
- Very fast cool down RT->4K in <9Hrs
- Effortless access to experimental volume with motorized vacuum chamber lift.
- High Vacuum Stainless Steel/Aluminum chamber, UHV option available
- Standard wiring includes 4x25 Micro DB connectors. Custom wiring available including high frequency, density, current, fiber optics, etc.

