

^3He - ^4He refrigerator with superconducting magnet

Manufacturer: Janis Research Company, Inc.

Purchase date: February, 2005

Condition: Excellent

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Dewar dimensions: 22-in diameter, 89-in from base to the top probe insert flange.

Superconducting magnet:

- Maximum rated magnetic field: 9 Tesla
- Homogeneity: $\pm 0.1\%$ over a 1 cm diameter spherical volume
- Lakeshore 625 superconducting magnet power supply & cables

He-3 insert (0.3 -77 K)

- ≥ 16 pin shielded twisted pair wires
- 2 low thermal conducting low-noise triaxial cables
- Rotatable sample perpendicular to magnetic field
- Lakeshore 340 temperature sensors
- He-3 gas and gas handling system



He-4 variable temperature insert (1.5-300 K)

- ≥ 16 pin shielded twisted pair wires
- 2 low thermal conducting low-noise triaxial cables
- Rotatable sample mount perpendicular to magnetic field
- Lakeshore 340 temperature sensors

