

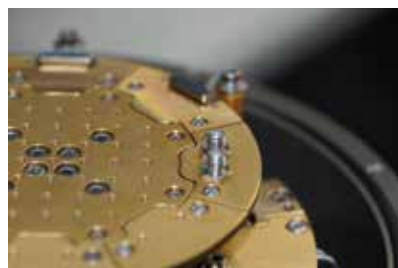
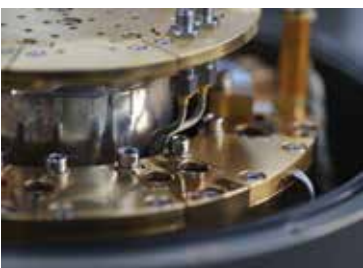
ICE

DRY ICE^{3K} INV

3K to 300K

A cryogen free cryostat offering quick and easy sample changes between 3K and 300K.

The inverted cold head on the DRY ICE^{3K} INV allows for easy access to the sample space via the removable top can and radiation shield. Combined with a system cool down of 4 hours, this cryostat offers quick and easy sample changes. The modular design includes interchangeable plates attached to the sample and 50K stages, simplifying wiring customisation.



KEY FEATURES

- Easy access to sample space
- Optical access options available
- Modular custom wiring option with packages easily to add wiring throughout the life of the cryostat
- Up to 8 custom wiring ports available

DRY ICE^{3K} INV

COOLING POWER	50mW @ 3K, 100mW @ 3.25K
TEMPERATURE RANGE	<3K to 300K
COOLDOWN TIME TO 3K	4 hours
ACCESS TO SAMPLE SPACE	Top loading via removable can
OPTICAL ACCESS	Sapphire, Quartz and Spectrosil windows, other materials available on request.
TEMPERATURE STABILITY	±10mK at and below 4K, ±15 between 4K and 20K, ±20mK between 20K and 50K, ±50mK @ 50K
VIBRATION AT BASE TEMPERATURE	±1.3 μm
SAMPLE ENVIRONMENT	Vacuum
SAMPLE SPACE	81mm diameter with wiring 134mm without wiring
COMPRESSOR	Water or air cooled
TEMPERATURE CONTROLLER	Lakeshore 335 as standard

*10K base temperature option also available

