

ProteoxS

Delivering faster characterisation in
a smaller size, with no compromise
on performance

< 10 mK base temperature

< 20 hours cool down



ProteoxS is the latest addition to the Proteox family. A fast turnaround, cost-friendly system with a reduced ceiling height requirement.

ProteoxS has a base temperature of < 10 mK whilst also delivering a rapid cooldown.

Applications

Quantum Devices

Integrate superconducting and dc wiring for faster turnaround characterisation of quantum devices

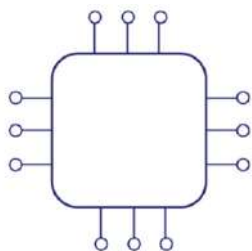
Transport Measurements

High magnetic field and low temperatures for electrical transport measurements

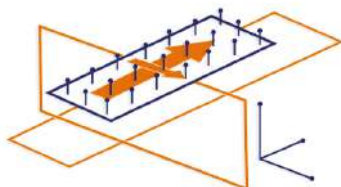
Photonics

Characterisation of quantum dots and nano-devices for photonic applications

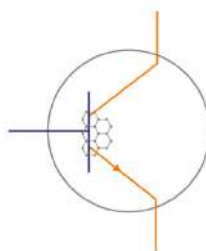
Quantum Devices

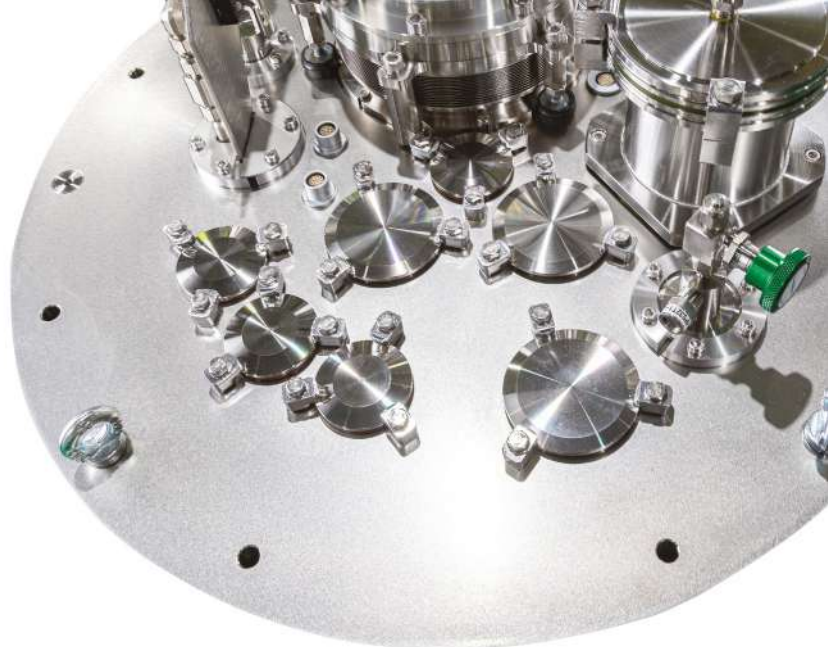
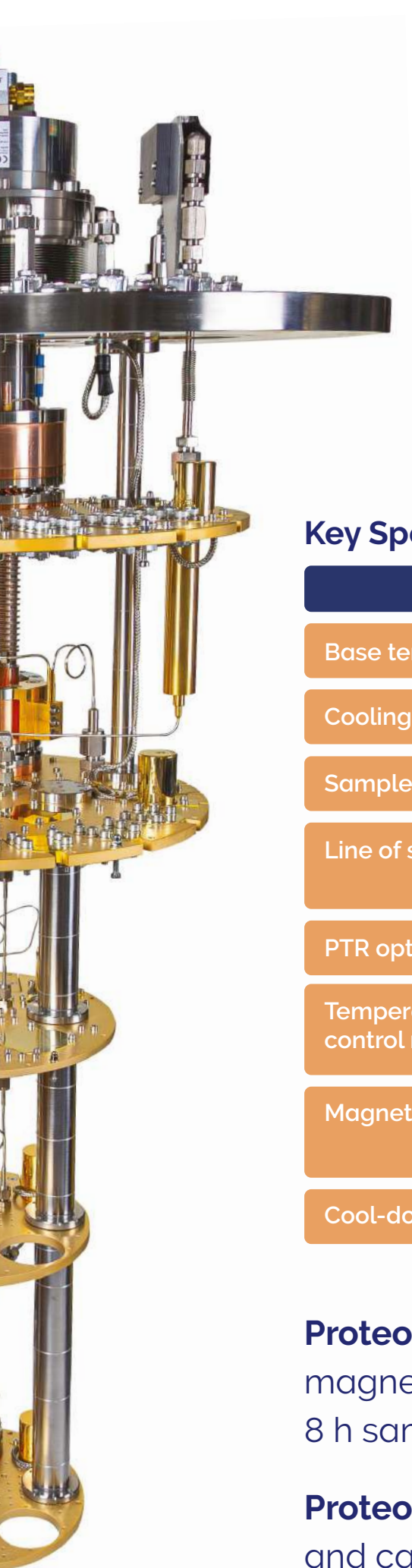


Transport Measurements



Photonics



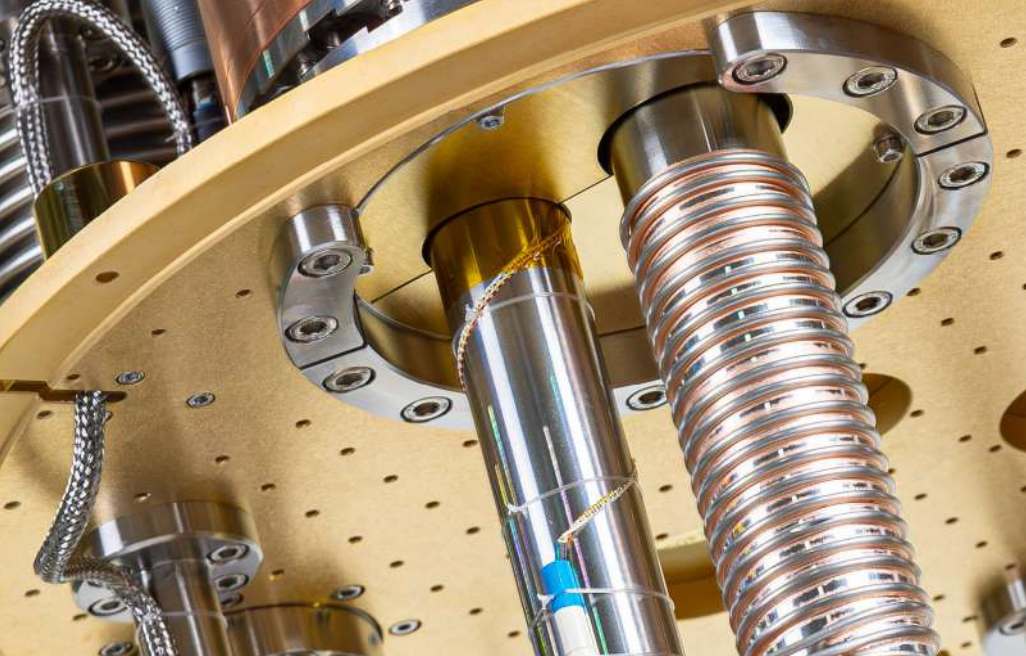


Key Specifications

Base temperature	< 10 mK
Cooling power at 100 mK	> 300 μ W
Sample space diameter	205 mm plate
Line of sight access	2 \times KF50 1 \times KF40
PTR options	1.50 W
Temperature control range	10 mK to 30 K with magnet at full field
Magnet options	12 T solenoid 6,1,1 T vector rotate
Cool-down time	20 h without magnet

ProteoxS is compatible with our superconducting magnets and sample exchange providing less than 8 h sample cool-down time.

ProteoxS uses our established **Proteox** software and can be operated remotely.



Service Support Options

Live Assist

Live assist remote support empowers your technical staff to resolve issues fast and effectively. Our team of service and engineering professionals use the latest virtual reality tools to support you remotely.

Proactive Support Plan

Offering unlimited access to a dedicated Proactive helpdesk and annual service that includes maintenance, training, parts, shipping and travel. The Proactive Support Plan package is for those who require a higher level of guaranteed support.



Proteox

Modular platform for qubit scale-up and cold electronics integrations utilising a customisable secondary insert.



Sample loading pucks

A variety of sizes of sample loading pucks are available for use with our patented sample loading mechanism. Ideal for a multi-user facility, the pucks will cool to base in a matter of hours.

Visit nanoscience.oxinst.com/products/ProteoxS or email nanoscience@oxinst.com

Main service locations: UK, USA, Germany, China, Japan and India

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