



**News Release:** For Immediate Release

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### Quantum Design and Kiutra Announce Distribution Agreement

SAN DIEGO, Calif. – July 1, 2020 – Quantum Design is excited to announce that it will now distribute products manufactured by kiutra, an innovative cryogenics company based in Munich, Germany. Kiutra’s magnetic-cooled, sub-Kelvin cryostats will be distributed by Quantum Design in North America.

“Kiutra’s technology will complement our Quantum Materials Characterization product offerings and fill an important gap by offering stand-alone continuous sub-Kelvin environments, located between standard liquid helium cryostats and more complex He3 and dilution refrigerator options,” stated Aashish Chourey, Director of Business Development for Quantum Design. “Easy sample exchange coupled with continuous sub-Kelvin cooling ability provides an ideal working environment for quantum materials and detector testing as well as other related material science.”

The cryostats manufactured by kiutra use Adiabatic Demagnetization Refrigeration (ADR) technology to reach sub-Kelvin temperatures either in one-shot or continuous cooling cycles depending on the instrument and operation modes chosen. This technology allows completely “dry” helium-free cooling in the sub-Kelvin range, removing the need and requirements of liquid cryogens in addition to making the systems extremely easy to use and maintain.

“We are very excited to have found in Quantum Design a strong and experienced distribution partner. With Quantum Design, we are now ready to support our customers in North America even better than before and to accelerate their research and development with our easy-to-use cryogen-free magnetic refrigerators. Our systems will ideally complement Quantum Design’s cryogenic equipment portfolio, which – based on the well-known PPMS – sets the standard for turnkey cryogenic instrumentation,” stated Alexander Regnat, CEO of kiutra.

#### **About Quantum Design**

Founded in 1982, Quantum Design Inc. is a privately held corporation that develops and markets advanced technology cryogenic systems and instruments for the scientific community. Quantum Design is widely recognized as the leading commercial source for integrated laboratory analytical systems incorporating superconducting technology. In addition, through its strong R&D focus and direct foreign offices in the world’s major technology markets, Quantum Design International has developed a worldwide distribution channel for its own industry leading instruments as well as for research-based instruments developed by other technology leaders.

#### **About kiutra**

Kiutra is a spin-off company from the Technical University of Munich, Germany. After many years of hands-on experience working with cryogenic systems, the founders of kiutra became convinced that magnetic cooling was an extremely versatile and elegant tool to provide low temperatures. Kiutra designs and manufactures truly cryogen-free magnetic refrigeration systems that stand out due to their high quality, reliability, and ease of use. Being inherently modular, their cryostats can be configured and upgraded to match a wide range of user requirements. And in contrast to other commercial magnetic refrigerators, their devices additionally offer continuous cooling at sub-Kelvin temperatures.