**REOMED Medical Isolation Transformer Helps Obtain Blood Samples**

REO UK has recently supplied a REOMED medical isolation transformer to support the safe operation of a heated hand blood sampling device at an NHS facility. The equipment used in metabolic and endocrine studies is designed to warm a patient’s hand to produce arterialised-venous blood samples — a recognised, less invasive alternative to arterial lines.

The heated-hand technique is widely used in euglycaemic clamp studies, where patient comfort and device reliability are essential. While the original unit had basic insulation and grounding provisions, the hospital’s Medical Physics team identified the need for enhanced electrical protection before approving it for further clinical use.

We were invited on-site to assess the equipment, measure the current draw, and confirm the correct REOMED specification. The unit was subsequently fitted with a REOMED 600 isolation transformer, which provides full galvanic separation from the mains supply, limits leakage currents, and adds an extra layer of safety for both patients and staff.

“The REOMED upgrade provided electrical compliance to EN60601. Installation was painless and the system passed internal EBME checks with flying colours.”

said xxxxxxx EBME Engineer at the NHS trust.

The REOMED range has been specifically developed for use with patient-connected equipment, enabling hospital departments to meet the requirements of EN 60601-1 and local electrical safety policies. For trusts working with legacy or bespoke medical devices, it offers a practical and affordable route to improved compliance and peace of mind.

In this instance, the REOMED allowed the trust to continue using a valuable research tool without the need for extensive redesigns or approvals. Studies can now be carried out with greater confidence, knowing that the electrical risks have been appropriately managed.

We continue to work with NHS Medical Physics and EBME departments across the UK to help address similar challenges — whether it’s adding isolation to support older equipment or designing safe power systems for new research devices and test rigs.

If you’d like to learn more about how REOMED can be applied in your trust, we’re always happy to advise or arrange a demonstration.

**Ends:** 337 words

**Editor’s note:** If you want to ensure you keep up to date with press material, opinion focused blog content and case studies from REO UK, you can visit their news page: <http://www.reo.co.uk/news>

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**About REO:** REO specialises in providing an extensive array of electronic power controllers and resistive and inductive wound components tailored for industrial use, particularly in demanding environments. As the company expands its footprint in renewable energy technology, ensuring exceptional power quality has become a paramount focus. With manufacturing facilities in Germany, the US, China, and India, REO stands at the forefront of innovation across the globe.