



Instrumentation

Temperature services

Temperature services

ABB has over 125 years experience in temperature measurement spanning everything from medical refrigeration (eg. cold stores, blood fridges, FFP freezers) and pharmaceutical production through to heat treatment for industrial and aerospace processes. This experience enables ABB to offer high levels of expertise in the calibration and thermal mapping of temperature chain equipment at hospitals, pharmaceutical wholesalers, distributors and aerospace/ industrial clients throughout the UK.

Furnace and oven surveys

The survey provides independent reassurance that the furnaces and ovens are working within specification and are fulfilling customers' quality assurance requirements. The survey also helps identify specific problems such as temperature gradients and oven failure. Temperature Uniformity Surveys (TUS) and System Accuracy Testing (SAT) can be performed to any specification including AMS2750 standard.

Cold chain mapping

This service carries out the mapping and calibration of refrigerated storage equipment (blood fridges in hospitals amongst others) in line with the guidelines of the UK MHRA (Medicines and Healthcare products Regulatory Agency). Under these requirements, all cold chain storage equipment, used for the storage of blood and blood products, must be tested for its ability to provide stable refrigeration within a set temperature range depending on the type of sample being stored. This service ensures that a site's refrigerated equipment is properly tested to MHRA guidelines and will provide a comprehensive post survey report that can be used as proof of testing during an inspection.

ABB have the knowledge, expertise and resources to properly conduct calibration and mapping surveys in line with the MHRA's expectations.

How to make sure you comply

The best way to ensure you comply is to choose a company such as ABB with a proven track record in temperature calibration and control.



Service highlights

A summary of features provided by ABB as a responsible and experienced service provider includes:

- A regular temperature storage and processing equipment mapping service using the latest temperature measurement and data recording equipment
- Reliable service independent of the equipment manufacturer
- Bespoke packages to suit your individual requirements
 - Probe quantity to suit the size of the plant under test
 - Annual calibration dependent on customer or regulatory requirements
 - Six-monthly or annual calibration, dependent on your requirements
 - Calibration adjustment if possible where required
- A full post survey report, detailing probe location with results in tabular and graph formats, plus calibration certificates for all the test equipment used with the details of full traceability to UKAS accredited laboratories
- A nationwide network of fully trained service engineers
- Automatic reminders to ensure you don't miss your next calibration visit date

UKAS

ABB's equipment is tested to traceable standards via UKAS (United Kingdom Accreditation Service) laboratories to ensure accurate and reliable temperature measurement. It also offers the latest data recording equipment to digitally record your mapping data. Using these devices, allows ABB to readily output your data into a report, which can be turned around in a fraction of the time, typically offered by many other suppliers of cold chain mapping services. In addition, ABB's electronic data recorders comply with the FDA's 21 CFR Part 11 standard for secure electronic data storage, there is no danger of your data being tampered with.

ABB can also hold your mapping and calibration data on its fully supported server, with a unique customer web based portal called 'ServicePort'. Customers are given secure website access to their own portal containing calibration certificates and mapping reports, providing an ideal safeguard against the risk of lost paperwork.

Customer testimonials

"ABB have proved to be responsive to our needs and the engineers have been knowledgeable and helpful, with a good understanding of the requirements of MHRA and BSQR compliance.

We are intending to use ABB Limited for our temperature mapping requirements in 2010 and have no hesitation in recommending their service."

Rob Pegg

Head Biomedical Scientist

Department of Haematology and Blood Transfusion
Northumbria Healthcare

"Throughout this time ABB have shown themselves to be professional, quick to respond and considerate of the needs of this laboratory. The engineer and temperature service manager could not do enough to help and showed an attitude of putting the customers needs firmly on top of their priorities.....

All these factors show that ABB are a highly professional, conscientious and diligent organisation who are motivated by the customers needs whilst providing a first rate service."

M.L.Dawe

Laboratory Transfusion Manager

James Paget Hospital

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