

Temperature Calibration in Pharmaceuticals

Empowering Pharmaceutical Manufacturers to Meet Stringent Quality Standards

Isotech plays a pivotal role in the pharmaceutical sector by addressing the intricate temperature control needs of both research and development (R&D) and production environments. Our products are developed to excel in maintaining stringent site standards and supporting temperature instruments used in pharmaceutical production.

Maintaining Site Standards and Central Support Facilities

In the highly regulated realm of pharmaceuticals, maintaining consistent and reliable temperature standards is essential. The industry undergoes intense scrutiny from external quality assessors, with the US Food and Drug Administration (FDA) and European Medicines Agency (EMA) being the primary oversight authorities. This stringent oversight necessitates accurate calibration and validation of temperature-sensitive instruments.

Pharmaceutical companies, particularly in the UK, have embraced the concept of central standards facilities. These facilities play a crucial role in on-site calibration and validation of instruments employed in various aspects of R&D, production, environment control, and site services. Our range of solutions, including microK, microsKanner, liquid baths, Standard PRTs, and ITS-90 Fixed Point Cells, has become instrumental in achieving the highest level of calibration precision. The use of ITS-90 Fixed Point Cells and Isotech microK, coupled with Standard PRTs, ensures unmatched accuracy measurement and compliance.



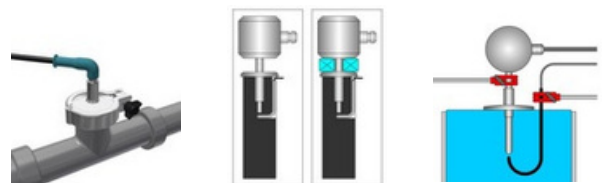
Ensuring Temperature Precision in Production Environments

Pharmaceutical production environments present a unique set of temperature calibration challenges. Our suite of products, such as Dry Block Calibrators, 4000 Series FastCal, milliK, TTI-10 Handheld Thermometers, and Semi-standard PRTs, address these challenges effectively.

One common challenge arises from using sensors that must be easily removed for cleaning. These sensors are often mounted using clamps or plug-in arrangements, leading to complications due to varying dimensions. Isotech's solutions offer adaptability, ensuring accurate calibration even with unconventional sensor configurations. The prevalence of Tri-clover Clamps highlights the need for solutions that accommodate short and stubby sensor lengths. Liquid baths and specially engineered inserts provide precise calibration even for these demanding applications.



From sterilisers and autoclaves to custom packaging machinery, Isotech's solutions cater to a wide array of temperature-sensitive equipment. The company's expertise extends to intricate devices like sealing blades and heat sealing devices used in blister packaging.



In the pharmaceutical industry, where precision directly impacts safety and quality, Isotech's products stand as pillars of accuracy and compliance. By addressing the challenges of maintaining site standards and calibrating instruments in production environments, we empower pharmaceutical manufacturers to meet the highest quality standards. As the industry continues to evolve, Isotech remains at the forefront, providing reliable temperature calibration solutions that contribute to the success and safety of pharmaceutical products worldwide.

Global Success Stories

The impact of Isotech on the pharmaceutical industry is highlighted by collaborations with major players in the sector.

These partnerships involve the utilisation of Isotech solutions by some of the largest pharmaceutical companies to ensure accuracy and uphold temperature standards across various processes. Isotech's offerings are chosen by manufacturers seeking independent calibration and validation work through authorised bodies.