



Withnell Sensors For Medical Labs.

DISCOVER

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Withnell Sensors have been UKAS accredited to ISO 17025 for over 10 years. We are proud to offer precision calibration services of the highest standard with some of the best measurement uncertainties in our field. We are independent temperature and humidity specialists who offer product solutions and impartial services to a wide range of industries. We bring you the best brands from all over the world for your temperature monitoring and control needs supplying data loggers, fridges, freezers, climate chambers and more. Our specialist bio storage centre allows us to provide the controlled storage of biological materials, samples, vaccines and more for scientific research and clinical applications. We currently support the pharmaceutical, biotech and research industries with solutions for medical laboratories that need to meet the requirements of ISO 15189. Read more about these products and services below.

UKAS Accredited Temperature & Humidity Calibration



We understand that to comply with ISO 15189 your data loggers and sensors must be routinely calibrated by a competent laboratory. We have been ISO 17025 accredited since 2011 and can offer UKAS accredited temperature calibration for a range of data loggers and probes with temperature points covered from -90 to 250°C. Our high precision laboratory offers some of the best measurement uncertainties in the country, calibrating thousands of loggers every year from some the leading brands including Comark, LogTag, TinyTag, Ebro, ETI, IceSpy and more. Our UKAS calibration service is tailored to your requirements, the number of calibration points and required temperatures can be modified to suit your needs.

We also provide UKAS accredited humidity calibration. We understand that accurate and precise humidity measurements is important in controlled environments where samples might be processed and stored. Annual humidity calibration of your sensors will ensure that your equipment is functioning as per the original specification and provide traceability for your critical measurements. We can provide calibration across the range of 10% rh to 90% rh and 10°C to 60°C. We do also provide traceable humidity calibrations, if you would like to discuss your needs with a trained a technician then please get in touch.



Service, Calibration and Mapping

Experienced engineers providing service on-site or at our facility in Lancashire. Offering a range of UKAS accredited calibrations.



Data Loggers and Thermocouples

A range of equipment to suit all requirements. Expert independent advice is available.



Laboratory and Process Equipment

An exclusive range of specialist, high performance equipment.



Thermal Validation Rental Equipment

Validation equipment for unexpected demands, shut down periods and new plant commissioning.

Customers we are proud to have worked with:



UKAS Accredited Chamber Calibration Fridges, Freezers and Incubators

Ensure your clinical samples are being stored in the correct conditions by calibrating the enclosure. Withnell Sensors can provide UKAS accredited calibration of temperature and/or humidity-controlled enclosures, such as, chambers, cold rooms, fridges, and freezers. A UKAS calibration provides the added reassurance in the validity of the results due to the transparency and methodology used in the process. Calibration of the unit allows you to meet regulatory and industry requirements and ensure the efficiency of the unit. The measurement capabilities of the unit can become less accurate over time, potentially straying outside of acceptable levels. This provides the requirement for calibration, due to the sensitive goods stored inside the units.

Data Loggers for Continuous Monitoring

Continuous temperature monitoring for your laboratory areas as well as independent monitoring of any fridges and freezers will be a fundamental part of your infrastructure. As independent temperature specialists we have had the benefit of seeing many different types of monitoring system. We are pleased to be able to offer one of the most intuitive and user friendly systems, designed exactly for this application. In fact we use this system ourselves to monitor our precision calibration laboratory in Lancashire.

The SenseAnywhere AiroSensor, is a fully automated & wireless data logger that monitors your samples and controlled areas 24/7. It leads a new generation of ultra-low power, wireless temperature (& humidity) data loggers. Providing accurate temperature and humidity monitoring information and offering automatic, wireless transfer to the cloud. You can access your data on any smart device through your secure cloud portal!

The easy to use, robust, data loggers are set up in under 10 minutes, offer a 10-year battery life and do not require 'backing up'. Alarm settings can be easily set to suit individual requirements and provide instant warnings via Email or SMS in the case of any excursions. Reporting and quality compliance is a breeze using the intuitive, software and one click report templates.

Further meet the requirements of ISO 15189 by monitoring samples through transit. Nothing easier than that. The SenseAnywhere monitoring system allows you to keep on top of the temperatures during transit. You can place one or more data loggers directly with your samples and monitor the cold-chain without any gaps throughout the journey. Once the destination has been reached, the temperature data is uploaded automatically, without your active involvement and without opening the goods. In case of critical goods shipments, you can monitor the data in transit via GSM (mobile phone network) and view them in real-time, so you can intervene in the event of any problem

You can also monitor entire delivery trucks, utility vans, refrigerated containers, cooling boxes and more. Simply deploy the validated and certified SenseAnywhere data loggers at the locations to be monitored. In this instance you too can choose whether you want to evaluate the recorded data at the end of the transit period, or in real time during the transport via GSM. In addition, you can also display the current position via GPS.



Kambic & Angelantoni Life Science Chambers, Baths, Cold Rooms & Freezers

We are exclusive partners of Angelantoni Life Science (ALS) and Kambic Metrology, allowing us to offer you high quality laboratory equipment. Some of the products that might interest you are our laboratory fridges and freezers, including our ULT medical freezer which comes in two temperature ranges -40°C and -86°C. We also have a fully automated liquid nitrogen freezer, the Smartfreezer, which is the only fully automated ultra-low temperature cryogenic freezer for individual storage and retrieval of vials at -180°C in liquid nitrogen (vapor phase). Our PlasmaFrost ITeM™ plasma blast freezer, which brings the plasma bags temperature to -30°C in less than 60 minutes. We also have many different climatic chambers coming in at varying sizes and temperature ranges, with custom units available. Finally, we have high quality cold rooms available from both brands, both providing excellent performance and product features. The brands provide quality engineering at an affordable cost, with incredibly intuitive and user-friendly technology combined with the ultimate security and reliability of their products.

Controlled Storage

Withnell Sensors offer the controlled temperature storage of biological materials, samples, vaccines and more for scientific research and clinical applications. Our highly secure facility is managed by thoroughly trained staff, with a great deal of expertise and knowledge in the storage of biological and pharmaceutical materials. We ensure a secure environment for your materials- in our fully validated, calibrated and continuously monitored facility. We can offer temperatures from -80 through to ambient storage. Off-site storage allows you to free up space in your own facility as well as providing a contingency backup of your irreplaceable samples for disaster recovery purposes. Our advanced storage facility has double redundant back-up capability to protect your product against a range of critical failures. The facility is highly secure, with key card access being the only method of entry to the building and its inner doors. CCTV monitors the building 24/7. As a unique feature in this area we can also offer customers 24/7 access to their specific live temperature monitoring for absolute assurance and reporting benefits.





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