Solving your temperature monitoring challenges in pathology

Haier Biomedical
Intelligent Protection of Life Science

Temperature monitoring in path labs is crucial to ensure the integrity of stored biological samples and reagents, as well as compliance with guidelines and regulations such as ISO 15189:2022 – Medical Laboratories. A critical requirement of ISO 15189:2022 is temperature monitoring of equipment such as fridges and freezers used to store samples and reagents, incubators and analysers, as well as ambient temperature in workspaces, especially where it can impact sample stability or equipment performance.

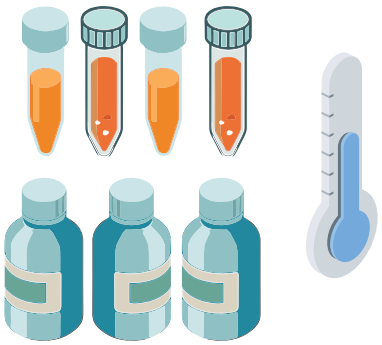
But what are the key temperature monitoring challenges and how can Haier Biomedical help you address them?

Staying alert

Capturing and analysing data 24/7 is just one piece of the puzzle. Another vital feature is alerts that flag potential problems so that you can quickly put things right. It's important to:

- Configure alarm parameters and actions with full flexibility
- Record alarms and follow-up actions for full traceability

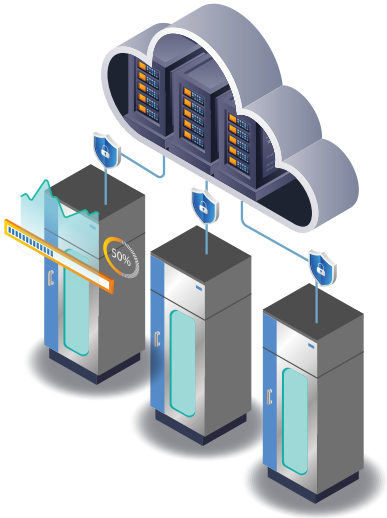
Get the basics right



Correct storage temperature is essential to keep reagents stable and medical products such as vaccines safe, viable and effective. Monitoring storage temperatures at all times helps to:

- Ensure patient safety
- Reduce the costs of replacing spoiled reagents and medical products
- Reduce delays waiting for spoiled products to be replaced

Audit ready

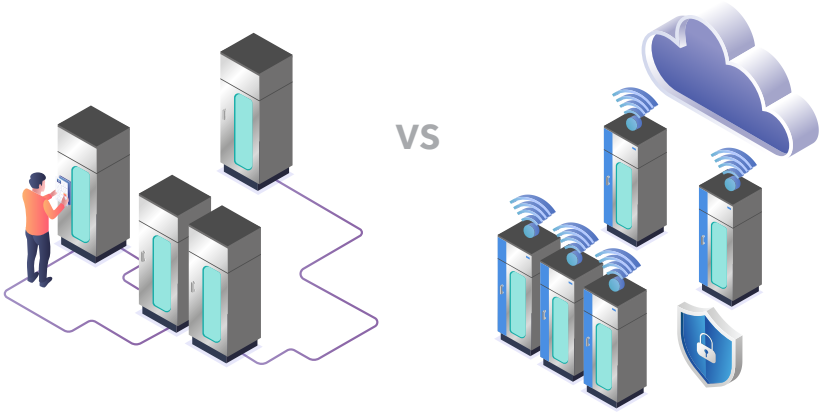


Clinical labs in the UK must comply with guidelines and regulations such as ISO 13485, and be able to supply data on request for audit purposes. Ideally, you want to:

- Store information in the cloud for easy access
- Trace configuration changes, including user login data
- Audit data, including temperature and alarm history
- Restrict user access according to need and seniority

Stay connected

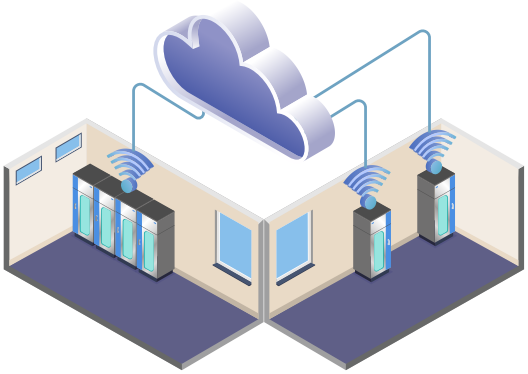
Data loggers and hard-wired temperature monitoring systems rely on the hospital intranet, and involvement and approval from the NHS IT or hospital IT department. Just imagine how much easier life would be if all your temperature monitoring equipment was wireless!



Hard wired	Wireless
Requires IT input and certification	Independently powered and networked, IT input not required
Inconsistent Wi-Fi, or the network might go down	No reliance on built-in infrastructure; if one network goes down another one takes over
Relocated equipment has to be rewired	Relocation is straightforward, no rewiring needed*
Isolated areas might have connection issues	Can be used in remote areas, even sub-Saharan Africa

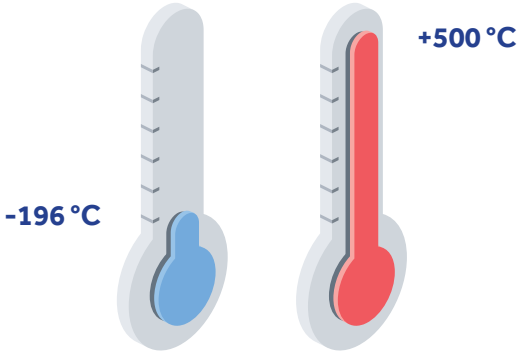
*as long as the equipment remains within range of the gateway

Keeping track further afield



As new healthcare models spread out to the community, fridges and freezers away from the central lab will still need monitoring.

Future-proof your systems with remote temperature monitoring, giving you 24/7 visibility of all your units from any web-enabled device.



At Haier Biomedical, we take your temperature monitoring challenges seriously. Our products cover ranges from -196 to +500 °C, everything from liquid nitrogen to autoclaves, complemented by an extensive range of cold storage solutions, incubators and other equipment ideal for path labs.

Make Haier Biomedical the first port of call for your clinical needs.

Haier Biomedical – your one-stop shop for path labs

View our wireless monitoring here:

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