

Temperature Profiling

It's what we do!



[Company Profile](#)

Datapaq – the trusted global name in temperature profiling

Datapaq develops and manufactures sophisticated systems for recording and storing temperature profiles.

We offer a reliable means of measuring the true product and environmental temperature in various types of industrial processes and applications.

Addressing all aspects of the profiling system, from the logger and barrier design through to the critical key software analysis and reporting requirements, we have what you need for profiling your process:

- proven technology
- rugged, dependable, through process measuring systems
- for use in the harshest, high temperature environments, not the sterile, safe laboratory bench.

Tried, tested and trusted!

Datapaq solutions are used to control and optimize heat treatment processes:

- Validate and certify your process to quality standards
- Ensuring product quality within specification and reducing rejects, scrap and rework
- Maximize productivity thanks to increased line speed and minimized downtime
- Optimize efficiency with oven settings and reduce energy.

All Datapaq systems are comprised of Insight™ software, data loggers, and a selection of protective thermal barriers and thermocouples – we have been setting the industry standard for ease-of-use.

People know who we are and what we do!

Founded in 1984 in Cambridge (UK), Datapaq has become a worldwide market leader in temperature profiling with more than 1500 systems supplied each year.

During our market presence for over 25 years we have taken onboard experienced business partners around the world. We operate subsidiaries in Germany, in the USA, and China to provide local sales and customer support.

We listen to our customers and provide solution-oriented product development based on years of market research and learning about the needs of our customers.

Thousands of satisfied customers choose Datapaq and continue to rely on us to help maximize the potential of their industrial heating processes.

Many of our customers are industry leaders themselves:

American Standard, Chrysler LLC, DuPont, PPG, Ford, GM, Toyota, BMW, General Electric, Hewlett Packard, NEC, Sony, Toyota, Akzo Nobel, Tyson, Cargill Foods, Despatch, Centrotherm and many others utilise Datapaq Tracker Systems for their temperature monitoring and analysis needs.

Datapaq, now part of the Fluke industrial group, have joined with Raytek® & Ircon®, the worldwide leaders in noncontact temperature measurement. As part of this group, we have the financial muscle necessary to continue to guarantee long term stability and future technological growth.



THE DATAPAQ SYSTEM

Data logger 1 collecting temperature data, measured via thermocouple sensors

Thermal barrier 2 protecting data logger from hostile process conditions

Thermocouple 3 sensors attached to product(s) where measurement required

Software system 4 which allows review, analysis and reporting of process temperature profile

Datapaq System TPaq21 with telemetry

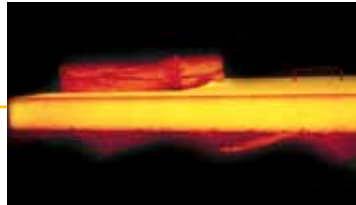
Discover what happens to the product as it passes through the temperature treatment cycle

Inspecting the finished product alone does not tell the whole story

Pioneering many industrial firsts, market innovations and new technologies, Datapaq is the generic name in temperature profiling. Renowned for quality and solutions that address your specific application needs, we don't use a 'one system will work for all' principle. We provide solutions customized for your process. Our systems help you make changes in temperature to improve product quality and increase profitability in the following areas:

Furnace Tracker® Systems for heat treatment processes and furnace surveys

- Reliability, accuracy and rugged design to withstand the harshest environments found in hostile heat treatment processes.
- Combined with the TM21 Radio Telemetry System, Datapaq® offers a complete thermal profiling system for real-time data analysis.
- Carry out surveys and generate reports to satisfy regulatory requirements, such as AMS 2750 and NADCAP.



Furnace Tracker® Systems for glass manufacturing

- Measure the exact temperature of the glass as it moves through furnaces, lehrs or autoclaves
- All-new range of high temperature low height thermal barriers, including vacuum coaters
- Profile flat glass annealing in furnaces where clearances are as low as 30mm/1.18".

Oven Tracker® Systems for the finishing, paint and powder coating industries

- Prove that your oven provides the necessary cure schedule to give the physical and cosmetic coating properties you require.
- Prevent under cure or over cure issues and risk of product recalls.
- Create the certified traceable profile report to prove to any customer and regulatory body (Qualicoat, ISO9000, CQI-12) that your process is in control.
- Use accurate profile data to optimize your oven.
- Highlight oven problems immediately and use data information to recommend corrective action.
- Prove that any service or maintenance carried out has been successful.



Reflow Tracker® Systems for PCB and electronics board manufacturing

- Monitor wave and reflow soldering processes, as well as vapor phase, selective soldering and rework stations
- Learn about the temperature distribution in your soldering process to identify uneven or high rates of heating
- Solve imbalances in temperature across the oven

Solar Tracker® Systems for solar photovoltaic (PV) manufacturing

- Customized temperature profiling solutions designed for specific use in key thermal processes, such as anti-reflective and diffusion/thin film coating, contact firing and lamination.



Kiln Tracker® Systems for tunnel & roller hearth kilns in the process of firing ceramic products

- Detect firing problems, such as failing burners, blocked cooling inlets or incorrectly set vents.
- Gain a true knowledge of temperature distribution to identify uneven or high rates of heating and cooling through quartz inversion
- Solve imbalance in temperatures across the kiln car side-to-side and top-to-bottom.
- Discover premature overheating in the carbon burn out zone.



Food Tracker® Systems for food processing

- Measure product and environmental temperatures accurately and reliably – an essential requirement for HACCP data analysis.
- Validate your process - a decrease of only one or two degrees can significantly affect product quality
- Enhance your system with humidity measurement, food tray and thermocouple jig.
- TM21 Radio Telemetry System for real time temperature monitoring available.

A global brand renowned for quality and world class support

Global Network

Three international service centres provide technical service and calibration support in accordance with ISO9001 quality standards, and equipment fully certified and traceable back to DKD & NIST international standards.

Datapaq has a DAKKS calibration laboratory.

Professional Product Support

Our staff provides experienced customer support you can depend on – from the sales order desk through to service technicians and more. Support you can rely on – time after time.

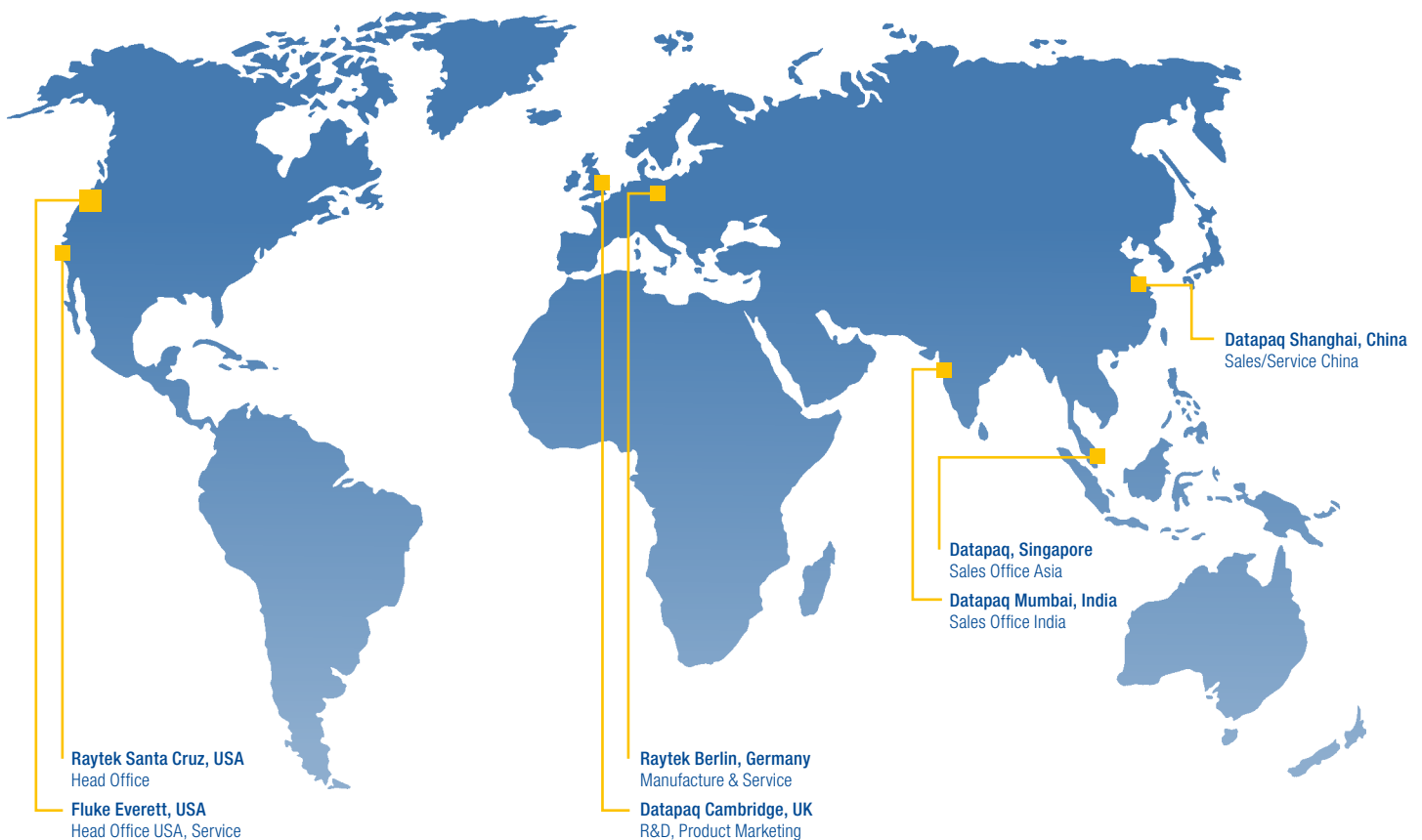
Datapaq provides product language support in over 10 languages.

Manufacturing Facilities

All Datapaq systems are designed and manufactured to meet ISO9001 global quality standards you can trust.

Local service and support based on a Network of over 50 experienced agents worldwide and international sales offices

Visit www.datapaq.com to find your local sales office.



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