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## Grant unveils New Squirrel paint oven temperature monitoring kit

- *All stainless steel phase change heat sink doubles the performance of thermal barrier*
- *Kit includes 3 fast response probes to measure air and surface temperature*

**CAMBRIDGE, England, April 16, 2008** - Grant Instruments ([www.grant.co.uk](http://www.grant.co.uk)), a world renowned manufacturer and supplier of data acquisition, scientific and life sciences products, has introduced a new version of its highly successful paint oven temperature monitoring kit, designed exclusively for the paint and finishing industries.

The Squirrel OMK610HS – which comprises a user-friendly six channel data logger, PaintView software, enhanced thermal barrier, carry case, quick start guide and a choice of fast response temperature probes - provides everything needed for paint oven temperature profiling and paint cure calculations in one easy-to-use and convenient system. The new kit also gives the user better performance, immediate printed reports - without the need for a computer, and high accuracy readings.

Grant has been manufacturing a paint oven temperature monitoring system for over 30 years. This latest version includes several major technical updates which are designed to extend the system's capabilities and functionality.

Firstly, the system's thermal protection has been improved through the implementation of an all stainless steel heat sink, which doubles the system's thermal capacity, providing thermal protection to the data logger for 100 minutes at 250 degrees centigrade. This means that the system can be used more often during the working day, with less cooling between



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production runs. This is particularly important in high throughput applications, often found in industries such as the automotive coatings sector.

Secondly, the range of temperature probes has been extended to include specific air and surface temperature measurement probes – available in 1.5, 3 or 6 metre cable lengths. These new probes feature a high quality, heavy duty cable designed to provide flexibility and durability; and due to their size, they can be used on smaller work pieces, are faster to respond and give more accurate overall results.

The Squirrel OMK610HS is designed to measure and record the temperature inside a paint curing oven during production. The temperature of both the oven's air and the painted parts are recorded. This allows the user to accurately adjust the oven's temperature and conveyor or track speed to give the optimum cure cycle for the work piece – as prescribed by the coatings manufacturer. Once set, the oven monitoring kit can be used as a routine quality monitoring device ensuring repeatability is achieved from batch to batch. Both over and under curing can result in a significant reduction in the coatings' performance. This may include substrate adhesion problems, impaired visual appearance, mismatches (colour and / or gloss) and premature chalking or fading.

The Grant data acquisition product range extends from high specification, portable data logging systems (Squirrel family) through to fully integrated custom-configurable acquisition and control systems (dataTaker family), while [Eltek](#), the Cambridge-based Grant affiliate, produces Squirrel variants primarily for remote logging. All products come with a comprehensive warranty. OEM versions of most products are available on request.

For more information about Grant's wide range of data acquisition products, please visit [www.grant.co.uk](http://www.grant.co.uk). Alternatively, telephone +44 (0) 1763 260811 or email [acquisitionales@grant.co.uk](mailto:acquisitionales@grant.co.uk).

A high-resolution photograph of the SquirrelOMK610 kit is available at:  
<http://www.grant.co.uk/About/News/>

**About Grant's data acquisition products**

Grant Instruments (Cambridge) Limited ([www.grant.co.uk](http://www.grant.co.uk)) is a world-renowned supplier of own-brand scientific, life sciences and data acquisition products. The company has been designing, manufacturing and distributing measurement and control systems for the past 50 years and has established a worldwide reputation for high quality, reliable and robust systems designed to satisfy the most demanding data collection requirements across industrial, scientific, R&D and environmental applications. Headquartered at Shepreth on the outskirts of Cambridge, England, the company has an extensive network of dealers and distributors servicing Europe, the Americas, and the Asia Pacific region. Datataker Pty Ltd. ([www.datataker.com](http://www.datataker.com)), a wholly-owned subsidiary of Grant, manufactures advanced, integrated data acquisition systems under the dataTaker brand and is based in Melbourne, Australia.

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