

# Squirrel OQ606 OVEN LOGGER

**Grant**  
DATA LOGGING

*Building on over 40 years experience in oven monitoring, the new Grant Squirrel OQ606 Oven Logger is easy to use, more affordable, and offers greater flexibility for measuring the coating cure process. The OQ606 can start recording or print results at the touch of a button, and with Paintwise software can be configured to your precise requirements.*

## Key Features

- *Built-in display and keypad for ease of use*
- *Cure % calculated automatically and visible within the logger display*
- *Direct connection to an A4 portable or desktop printer*
- *Paintwise set-up and analysis software included with the logger*
- *New 3 in 1 probes with clamp and magnet fasteners offer greater flexibility and quick response*
- *Automatic triggers can be configured to start and stop logging*
- *Fast sample rates, for short or fast oven process times up to 8 samples/second*
- *Competitive price*



*Easy-to-use  
solution for oven  
temperature  
profiling*

## Benefits

### **Simple to use**

Power up the logger, connect the thermocouples, place in the thermal barrier and pass through the oven.

### **Rapid pass/fail decisions**

When the oven cycle is complete, check the Pass/Fail display, or connect the logger to a printer or PC for a graphical printout.

### **Reduced oven configuration time**

Pinpoints uneven oven temperatures and reduces energy costs.

### **Increased production yield**

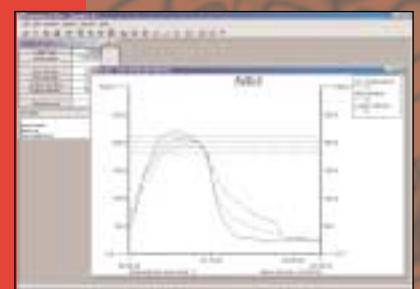
Daily oven monitoring maintains high quality production.

### **Minimum downtime**

Insight into oven performance teaches the operator how to quickly configure the oven to maximise production.

### **Simple record keeping**

User-configurable, concise reporting simplifies record keeping and provides ISO 9000 quality records.

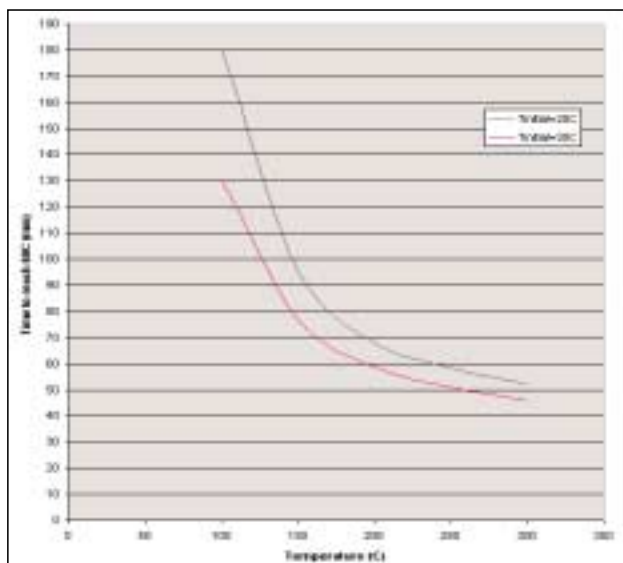


[www.grant.co.uk](http://www.grant.co.uk)

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## System Specification

<p><b>DATA LOGGER</b> OQ606</p> <p><b>Accuracy:</b> 0 to 500°C ±0.5°C (0.9°F) &gt;500°C (&gt;932°F) ±1.0°C (1.8°F)</p> <p><b>Resolution:</b> 0.1°C (0.18°F)</p> <p><b>Sample rate:</b> <b>Fastest:</b> eight times per second per channel <b>Slowest:</b> once every two hours per channel</p> <p><b>Channels:</b> 6 K-type thermocouple</p> <p><b>Temperature measuring range:</b> -200°C to 1300°C (-328 to 2372°F)</p> <p><b>Operating temperature:</b> 65°C maximum (149°F)</p> <p><b>Memory:</b> Flash memory of 260,000 readings</p>	<p><b>Maximum runs stored:</b> 8</p> <p><b>Communication:</b> RS232, download at 115kbits/s</p> <p><b>Display:</b> Alphanumeric display of 2 x 16 characters shows cure pass/fail, battery status, probes connected, real time readings and communication to printer or PC</p> <p><b>Power supply:</b> Three AA cells to give 200 hours operation at default settings</p> <p><b>Physical details:</b> Dimensions (lwxh): 148x95x21mm Weight: 450g</p> <p><b>Direct Printing:</b> Printer driver types: HP Deskjets <i>(for more information, contact our logger sales department)</i></p>	<p><b>THERMAL BARRIER</b> CI606-Q</p> <p><b>Physical details:</b> Dimensions (lwxh): 230x230x110mm Weight: 4kg</p> <p><b>Thermal characteristics:</b> 250°C (482°F) for 45 mins <i>Grant offer a range of thermal barriers and custom designs are also available.</i></p> <p><b>PROBE</b> TC-K-Q3-3</p> <p><b>Temperature operating range:</b> -50 to 250/300°C (-58 to 482/572°F)</p> <p><b>Accuracy:</b> ±1.1°C (±2.0°F)</p> <p><b>Response times:</b> &lt;1s for 63% of a change to be sensed 1s for 90% of a change to be sensed</p>
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Temperature/exposure-time limits graph

## New Oven Temperature Probes

### Key features include:

- fast response, low thermal mass
- used as surface or air probe
- easily numbered and matched to corresponding channels
- PTFE cable (3m) and miniature thermocouple plugs fitted
- combined magnet and clamp fasteners



*Grant offer a range of robust air and surface probes for accurate and reliable temperature measurement in ovens. Custom probes also available.*

## Paintwise Analysis Software

- Storage of user settings on PC
- Viewing of tabulated data
- Plotting of graphs
- Basic report function
- Paint types and cure specs
- Upper and lower thresholds
- Cure calculation
- Real time metering for test purposes
- Export of data to ASCII format
- Multi-lingual

**Guarantee** The Grant OQ606 data acquisition system is guaranteed against faulty materials or workmanship for one year. If repairs are carried out under guarantee, no charge is made for labour or materials, and within the United Kingdom, no charge is made for carriage.  
**CE mark** The Grant OQ606 data acquisition system bears a CE mark and meets relevant European directives.  
**Quality Statement** Grant Instruments operates a Quality Management System complying with BS EN ISO 9002: 1994. It is Grant's policy to supply customers with products which are fit for their intended purpose, safe in use, perform reliably to published specification and are backed by a fast and efficient customer support service.