Squirrel OQ606
OVEN LOGGER

Grant

D A T A   L O G G I N G

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.

Easy-to-use solution for oven temperature profiling

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*

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.
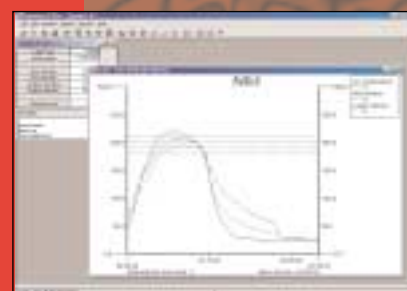
Increased production yield
Daily oven monitoring maintains high quality production.

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

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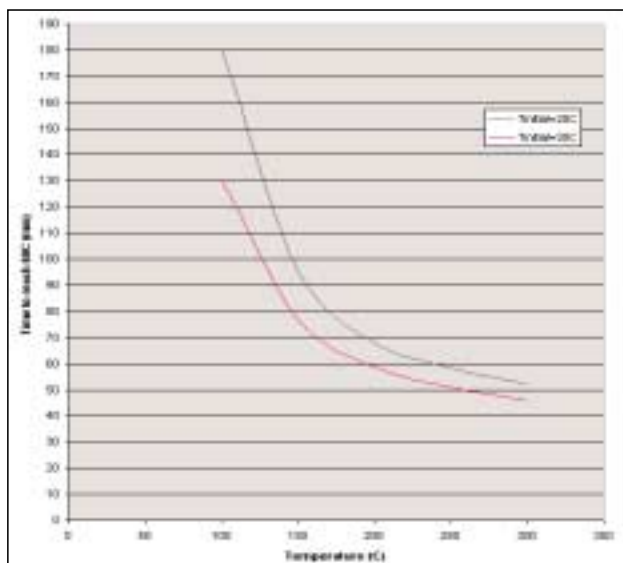User-configurable, concise reporting simplifies record keeping and provides ISO 9000 quality records.

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System Specification

DATA LOGGER OQ606

Accuracy:
0 to 500ºC ±0.5ºC (0.9ºF)
>500ºC (>932ºF) ±1.0ºC (1.8ºF)

Resolution:
0.1ºC (0.18ºF)

Sample rate:
Fastest: eight times per second per channel
Slowest: once every two hours per channel

Channels:
6 K-type thermocouple

Temperature measuring range:
-200ºC to 1300ºC (-328 to 2372ºF)

Operating temperature:
65ºC maximum (149ºF)

Memory:
Flash memory of 260,000 readings

Maximum runs stored:
8

Communication:
RS232, download at 115kbits/s

Display:
Alphanumeric display of 2 x 16 characters shows cure pass/fail, battery status, probes connected, real time readings and communication to printer or PC

Power supply:
Three AA cells to give 200 hours operation at default settings

Physical details:
Dimensions (lxwxh): 148x95x21mm
Weight: 450g

Direct Printing:
Printer driver types: HP Deskjets
(for more information, contact our logger sales department)

THERMAL BARRIER CI606-Q

Physical details:
Dimensions (lxwxh): 230x230x110mm
Weight: 4kg

Thermal characteristics:
250ºC (482ºF) for 45 mins
Grant offer a range of thermal barriers and custom designs are also available.

PROBE TC-K-Q3-3

Temperature operating range:
-50 to 250/300ºC (-58 to 482/572ºF)

Accuracy:
±1.1ºC (±2.0ºF)

Response times:
<1s for 63% of a change to be sensed
1s for 90% of a change to be sensed

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*