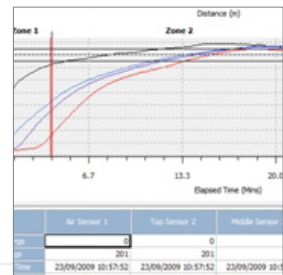


Squirrel OMK610 paint oven profiling system

A comprehensive temperature profiling system designed for the paint and finishing industry

Overview

Everything you need for paint oven profiling and paint cure calculations in one easy-to use and convenient system. At the heart of the system is the Squirrel OQ610 temperature logger, capable of taking up to 8 readings per second and storing over 260,000 readings. The logger is protected by either the TB610 or TB612 thermal barrier specifically designed for use in paint and finishing ovens.



Key features

- » Clear LCD screen indicates cure % at the end of the cycle
- » Oven / process tolerance bands easily configured
- » PaintView software configures, stores and allows detailed cure cycle analysis
- » Enhanced thermal barrier gives maximum protection
- » Up to 6 temperature channels
- » Fast response probes for both air and surface temperature
- » The comprehensive report generator allows fully customisable reports to be created, including company logos or digital image incorporation
- » Multi-zone ovens can be easily configured
- » Easy data storage and archiving within PaintView allows inclusion in audited and approved quality controlled processes

OMK610 kit comprises of:

- » OQ610 data logger
- » PaintView software
- » Thermal barrier
- » Carry case
- » Quick start guide
- » USB cable
- » Set of batteries

- » Thermocouple temperature probes for recording air and surface temperatures
- » Thermal barrier to protect the Squirrel data logger during its passage through the oven
- » PaintView software for data analysis and reporting
- » 6 channels for type K thermocouples

At the end of a production run, the logger gives user a percentage cure result on the integral screen. Further analysis or data storage is then possible

Multi-language LCD display in English, German, French, Spanish or Italian

The Squirrel OQ610 can record up to eight readings per second from each sensor and store over 260,000 readings in its memory

Four robust, fast response type K thermocouple probes with clamp and magnet fastener can be used for both surface and air temperature measurement



Squirrel OQ610 specifications

| | |
|-----------------------|--|
| No. channels | 6 K-type thermocouples |
| Temp range | -200°C to 1300°C |
| Operating temperature | -30°C to 65°C |
| Log interval | 8 per sec to 1 per hour |
| Accuracy | ± 0.5 °C |
| Memory | 260,000 readings or 8 production runs |
| Display | LCD, alpha numeric, 2 by 16 characters |
| Power supply | 2 x AA cells |
| Data transfer | USB (1.1 and 2.0) |
| Size | 153 x 101 x 23mm (l x w x h) |
| Weight | 450g, coated steel case |

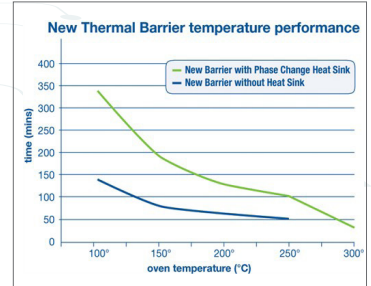
* For applications outside the paint and finishing industry SquirrelView software is used with the OQ610, and probes and thermal barrier (if required) can be selected from the relevant sections of this catalogue
 ** SquirrelView supplied as standard with every new Squirrel.
 SquirrelView Plus available at extra cost.

Stainless steel thermal barrier

The all-stainless steel construction of the barrier produces a very robust and user friendly protection for the logger. The internal heat sink (TB612) is also manufactured from stainless steel and uses advanced phase change technology, offering up to 100 minutes of protection at 250°C for the logger.



| Barrier | | TB612 with Heat Sink | | | | | TB610 without Heat Sink | | | | |
|------------------|------|----------------------|-----|-----|-----|-----|-------------------------|-----|-----|-----|--|
| Temp | °C | 100 | 150 | 200 | 250 | 300 | 100 | 150 | 200 | 250 | |
| Duration | mins | 340 | 195 | 130 | 100 | 30 | 140 | 80 | 60 | 50 | |
| Size (l x w x h) | mm | 245 x 245 x 115 | | | | | | | | | |
| Weight | kg | 6 | | | | | 4 | | | | |



Thermocouple Probes

The K-type (NiCr-Ni) thermocouples are constructed to be flexible and durable, meeting the requirements of the DIN IEC 60584-2 standard. Full details available in the accessories section on page 34.

Probe identity tags

Numbered, brass tags (1 to 6) simply attach to the temperature probes to provide channel identification. See Accessories section for further details. Order code PT-1-6.

Paintview software

The OMK oven profiling kits are supplied with a full version of the PaintView analyses and archiving PC software. Configure the OQ610 logger, retrieve data via a USB connection, analyse, archive and create reports. Order code Paintview.