Data Acquisition
by Grant

TEMPCON
MEASUREMENT • CONTROL • DATALOGGING SOLUTIONS

OQ610 Oven Data Logger

OQ610 Oven Data Logger for through process monitoring

The OQ610 oven data logger is suitable for a wide range of temperature recording applications in industry, research and development. It is available as a stand-alone temperature data logger or as part of a complete system for through process monitoring in the food and paint industries.

With the addition of a thermal barrier, the Grant OQ610 will ensure consistent quality of heat treated products where it is important to have proof that they have passed through the manufacturing process at the right temperature for the right amount of time. By passing the Grant OQ610 oven logger through the process along with the products, a temperature profile can be produced to show exactly what is happening to the products and the process. Benefits include improved quality of your product and increased efficiency, reduced energy costs, quality assurance reports for compliance, traceability and complete quality control for your process.

- 6 channels for use with a wide range of K or T type thermocouple probes
- Simple 3 button operation via built in display or programmed via PC
- Time and date reported with each reading
- Magnetic catch for battery compartment

Squirrel OQ610 - Technical specifications

	OQ610
Software	Available in PaintView and SquirrelView
Accuracy	-50 to 500°C - ±0.5°C -200 to 1300°C - ±1.0°C
Resolution	0.1°C
Sampling rate	Fastest - eight times per second per channel Slowest - once every 2 hours per channel
Communication	USB 1.1 and 2.0 compatible
Channels	6 K or T type thermocouples
Temperature measuring range	-200°C to 1300°C (K type) -200°C to 400°C (T type)
Operating environment	Temperature range: -30 to 65°C Humidity: 95%
Memory	Flash memory of 260,000 readings
Maximum runs stored	8
Display	Alphanumeric display of 2 x 16 characters shows pass/fail, battery status, probes connected, real time readings and communication to printer or PC
Power Supply	2 x AA batteries to give 200 hours operation at default settings (1 reading per second)
Dimensions (w x d x h), Weight	148mm x 95mm x 21mm, 450g

		OMK610-NP (Without heat sink)			OMK610 HS (With heat sink)				
Temperature	**°C**	100	150	200	250	100	150	200	250	300
Duration	**mins**	140	80	60	50	340	195	130	100	30
Dimensions (w x d x h)	**mm**	245 x 245 x 115								
Weight	**kg**	4				6				

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Probes		Cable Length/Part Number		
		1.5m (4'9")	**3m (9'8")**	**6m (19'7")**
Clamp Air Probe		CAP-K-G1.5-3	CAP-K-G3-3	CAP-K-G6-3
Magnetic Air Probe		MAP-K-G1.5-3	MAP-K-G3-3	MAP-K-G6-3
Clamp Surface Probe		CSP-K-G1.5-3	CSP-K-G3-3	CSP-K-G6-3
Magnetic Surface Probe		MSP-K-G1.5-3	MSP-K-G3-3	MSP-K-G6-3
Combined Probe Can be used as a Magnetic Air, Magnetic Surface, Clamp Air or Clamp Surface Probe		TC-K-N1.5-3	TC-K-N3-3	TC-K-N6-3

PaintView Software

PaintView is an easy to use software package designed for exclusive use in the paint and finishing industry and is included FREE with every OQ610 oven logger. It enables easy setup of your logger and automatic download of your data from the logger into a meaningful measure of paint cure. For advanced paint cure calculations, it can also provide rapid interpretation of results. PaintView also gives you the additional benefits of graphically analysing your historical and online data, along with advanced reporting.

• Better quality and cost control cure analysis
• The user can create a time saving database detailing the different paints used
• Improved process efficiency - the software can pinpoint uneven temperatures
• Report generation allowing you to provide your customers with proof of compliance
• Secure data and convenient logger set up configurations to be saved
• Customisable data analysis - graphing and export functions output to Excel™ and CSV files

Calibration: Tempcon offers an in house calibration service which meets national standards. UKAS calibration is also available. For all enquiries please contact our dedicated sales team by emailing **info@tempcon.co.uk** or calling **+44 (0) 1234 558270**.