

## Overview

The QQ610 temperature 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 QQ610 is suitable for use in through process applications where heat treatment is being used to produce a product. To ensure consistent quality of heat treated products, 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 QQ610 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 and traceability and complete quality control for your process.



## Key features

- » 6 channels for use with a wide range of K or T type thermocouple probes
- » Battery operated and easily portable
- » Simple 3 button operation via built in display or from PC
- » Can be configured to automatically start and stop logging at specific times or temperature levels
- » Fast sample rates for fast process times: up to 8 samples / second
- » Can provide automatic cure calculation in through process applications
- » Non-volatile memory provides up to 260,000 readings of secure data
- » Time and date reported with each reading
- » Magnetic catch for battery compartment

The Squirrel QQ610 series comprises two models:

- » QQ610-S :Supplied complete with SquirrelView for through process applications
- » QQ610 : Supplied complete with PaintView for paint oven monitoring applications

**6 channels for type K or T thermocouples**

**Compact and simple to use**

**High accuracy**

**Extended battery life**



#### Technical Specifications

**Accuracy** -50 to 500°C -  $\pm 0.5^{\circ}\text{C}$  -200 to 1300°C -  $\pm 1.0^{\circ}\text{C}$

**Resolution** 0.1°C

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

**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

**Communication** USB 1.1 and 2.0 compatible

**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** Two AA cells to give 200 hours operation at default settings

**Dimensions and weight (l x w x h), g** 148 mm x 95 mm x 21 mm, 450g

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