

Squirrel 610 TEMPERATURE LOGGER



Building on over 40 years experience in temperature monitoring, the Grant Squirrel OQ610 Logger is easy to use, more affordable, and offers greater flexibility for measuring temperature. The OQ610 can start recording or print results at the touch of a button, and with SquirrelView software can be configured to your precise requirements.

Free
Software
&
Technical
Helpline

Key Features

- 6 channel temperature logger for use with a wide range of K or T type thermocouple probes offers greater flexibility and a quick response
- 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 on time or temperature levels
- Fast sample rates for fast process times; up to 8 samples/second and, if required, 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
- USB communication port

built-in
display and
keypad for
ease of use

small,
compact &
robust steel
case



6 "auto detect"
thermocouple inputs
make setup easy

USB port for direct
connection to an A4
portable or desktop
printer for immediate
results with no need
to connect to a PC

Benefits

Flexibility in temperature monitoring:

Suitable for a wide range of temperature recording applications in industry, research & development.

Simple to use:

Power up the logger, connect your thermocouples and conduct your tests. The logger automatically detects when sensors are present making setup easy.

Small in size:

The OQ610 is small and compact, making it suitable for use in a variety of applications, thus offering complete flexibility.

Software

SquirrelView:

Easy to use setup and
download software

SquirrelView Plus:

SquirrelView with on-line
and historical graphing

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System Specification

ACCURACY

-50 to 500°C, $\pm 0.5^\circ\text{C}$
(-58°F to 932°F, $\pm 0.9^\circ\text{F}$)
-200 to 1300°C, $\pm 1.0^\circ\text{C}$
(-328 to 2372°F, $\pm 1.8^\circ\text{F}$)

RESOLUTION

0.1°C (0.18°F)

SAMPLING RATE

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

CHANNELS

6 K or T type thermocouple

TEMPERATURE MEASURING RANGE

-200°C to 1300°C (-328 to 2372°F) (K type)
-200°C to 400°C (-328 to 752°F) (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 cure 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

Dimensions (l x w x h): 148x95x21mm
Weight: 450g

DIRECT PRINTING

Direct printing of oven profile report
Printer driver types: HP Deskjets
*(for more information, contact our
Logger Sales department)*



SquirrelView software

Powerful and easy to use spreadsheet style software for configuring, downloading, displaying and analysing data from your Squirrel data logger. Upgrade to SquirrelView Plus and with just a few mouse clicks you will quickly be able to view real time charts or historical data. You can also quickly download the data for use in your favourite spreadsheet, database or analysis program.

Features:

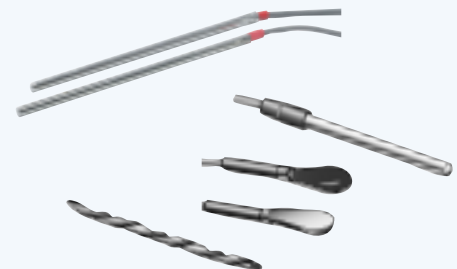
- Storage of user settings on PC
- Temperature profile feature
- Upper and lower thresholds
- Viewing of tabulated data
- Real time metering for test purposes
- Export of data to Excel
- Built in report function



Probes

The OQ610 logger is suitable for use with our wide range of thermocouple sensors. Thermocouples have a quick response time and are suitable for a wide range of applications,

from small and delicate, to heavy industrial. Our full range of probes can be found in our Temperature and Humidity Probes datasheet, which is available on request.



Due to our policy of continuous improvements, specifications may change without prior notice. Grant believe that all information declared is correct at the time of issue. No liability is accepted for errors and omissions.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.