Squirrel 610
TEMPERATURE LOGGER

Grant
D A T A   L O G G I N G

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.

Simple record keeping:

With the touch of a button, the OQ610 can directly print user-configurable, concise reports to simplify record keeping and provide ISO 9000 quality records. USB communications enables direct printout without the need to connect to a PC.

Software

SquirrelView:

Easy to use setup and download software

SquirrelView Plus:

SquirrelView with on-line and historical graphing

www.grant.co.uk

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System Specification

ACCURACY
-50 to 500ºC, ±0.5ºC
(-58ºF to 932ºF, ±0.9ºF)
-200 to 1300ºC, ±1.0ºC
(-328 to 2372ºF, ± 1.8ºF)

RESOLUTION
0.1ºC (0.18ºF)

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
-200ºC to 1300ºC (-328 to 2372ºF) (K type)
-200ºC to 400ºC (-328 to 752ºF) (T type)

OPERATING ENVIRONMENT
Temperature range -30 to 65ºC
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 (lxwxh): 148x95x21mm
Weight: 450g

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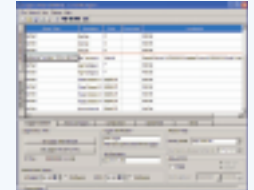Logger Sales department)*

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
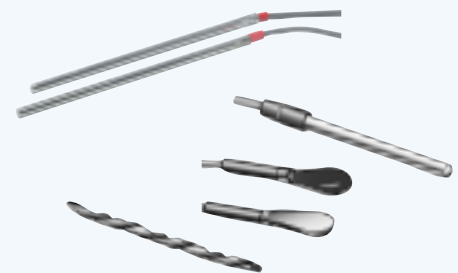spreadsheet, database or analysis program.

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.