

Through Process Monitoring system consists of:

- » Squirrel OQ610 logger
- » SquirrelView or an optional SquirrelView Plus Software for setup, download & data export.
- » Thermal barrier

# Through Process Monitoring

**A comprehensive through process monitoring system designed for data logging in extreme environments.**

## Overview

Grant Through Process Data Logging Systems are easy to set-up and use. They are suitable for a variety of applications including data logging in hostile environments and monitoring conditions on moving production lines. Benefits include improved efficiency and quality; reduced energy costs and increased yields; production of due diligence reports and a reduction in process set-up time and down time.

## Advantages

The advantage of Through Process Monitoring is that you can make measurements at precisely the points you are interested in, even if those points are moving on a conveyor belt or with some other mechanical device, without the worry of trailing wires or complicated connection methods. If the process involves operating in an environment of extreme heat, cold, moisture or steam, then the OQ610 is placed in a protective thermal barrier.



## Benefits

- » Suited to a range of applications; from bread to bricks or any heat treatment
- » For use in furnaces, kilns, any form of oven or cooler & conveyor systems
- » Improved quality of your product and increased efficiency
- » Reduced energy costs
- » Provides quality assurance reports for compliance and traceability
- » Complete quality control for your process
- » A complete package: data logger, protective barrier, computer software and training, a protective thermal barrier.



## Thermal Barriers

The performance of a thermal barrier is measured in terms of exposure time at a particular temperature for a given maximum internal temperature. See table in Accessories section for exposure times allowed over a range of temperatures.

## Probes

OQ610 is suitable for use with our wide range of thermocouple sensors. Thermocouples have quick response time and are suitable for a wide range of applications from small and delicate to heavy industrial. Refer to Probes section for further information.

## SquirrelView software

The SquirrelView software allows logger configuration, data download and export. The optional SquirrelView Plus gives the user access to many advanced data analysis and archiving/transfer features. Refer to SquirrelView data sheet for specifications.

## Applications



Food production



Surface coatings



Kilns and furnaces