**Tempcon** Instrumentation

# Concrete Maturity Meter

**Compact, versatile unit designed for data logging in concrete curing applications.**

## Overview

The Grant OQ610-S Concrete Maturity Meter is a compact unit, supplied in a very heavy duty, bright yellow water proof case, making it ideal for site work in all conditions and climates. The maturity meter is simple to use, finishing the job in the shortest possible time. This gives the confidence that the concrete is at its optimum strength, benefitting from the subsequent efficiency, improvements and cost savings that this procedure brings.

## Advantages

The OQ610-S has 6 temperature channels and digitally displays the value of all channels. It can be connected directly to a PC or laptop via a USB interface for fast downloading of the readings. Using the supplied Microsoft Excel™ templates, the Concrete Maturity is calculated from elapsed time versus temperature and is quoted as a "Maturity number". The Maturity number can be used to determine when concrete has cured sufficiently for formwork to be removed.

## Determining Concrete Maturity

In order to determine concrete maturity, sacrificial temperature measurement cables are 'cast into' the concrete and cut off at the surface when the concrete has cured. Grant supplies the temperature measurement cable in 100m rolls with separate plugs so that these individual sensors can be custom made to suit any particular job.

## Probes

OQ610-S is also suitable for use with our wide range of thermocouple sensors. 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 analyses and archiving/transfer features. Refer to SquirrelView data sheet for specifications.

Applications