

- Concrete Maturity Meter system consists of:
- » Squirrel OQ610 logger
 - » SquirrelView or an optional SquirrelView Plus Software for setup, download & data export.
 - » Weatherproof heavy duty case

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.

Applications



Concrete curing



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.

Other accessories

- Type K thermocouple cable (part no 10076). Order by quantity, length in meters.
- Male sub miniature Thermocouple Plugs (part no 11668)
- Waterproof case (part number PC610-S)

The Concrete Maturity Meter kit (CMK610-S) comprises of:

- » OQ610 logger for 6 x K or T type probes
- » Waterproof case and type K extension leads PC610-S
- » Squirrelview software, suitable for Windows 2000, XP and Vista
- » USB connecting cable LC80