

1470 / 1480 CellTest Temperature Control Software



CellTest / Eurotherm 2000



Celltest, the hot choice for battery testing....

Solartron's multichannel battery / fuel cell test software, CellTest, has been enhanced to run temperature controlled tests on batteries, fuel cells, supercapacitors and on the materials used in such products.

This facility allows combined potentiostatic / galvanostatic DC tests, cyclic voltammetry, pulse, impedance and temperature tests to be controlled automatically from a PC.

The system can be configured in different ways, either allowing a single Eurotherm temperature controller to be shared among many measurement channels, or for the ultimate in flexibility, one Eurotherm controller per battery / fuel cell test channel.

Multiple battery / fuel cells can be tested in batches in temperature controlled ovens, or each cell can have its own individual controller and oven to provide accurate temperature control.

The temperature range is a function of the oven and sensors which are connected to the Eurotherm controller and is not limited by the Celltest software. This allows for example fuel cells to be tested at very high temperature, beyond 1000 degC, or climatic tests to be run on cells below freezing point.

The temperature control facility in CellTest is configured to use Eurotherm 2000 series temperature controllers which are utilized by many manufacturers of ovens, furnaces and refrigerators.



Specification

Compatible with:

Max No. of controllers
Controlled via

Temperature range

Eurotherm 2000 series
temperature controllers
30 per system
RS232 port or RS485
interface card
Depends only on oven /
refrigerator / furnace
and temperature
sensors (can be
>1000degC)

CellTest provides a wide range of test capabilities when used with the 1470 Battery Test System, or with the 1480 Multistat. Control of independent tests on multiple cells is provided by this software and impedance measurements can easily be integrated by adding one or more Solartron frequency response analysers to the system.

Existing CellTest customers can get a free CellTest software upgrade (including the new temperature control facilities) by contacting Solartron.

Solartron Analytical's Quality
System is approved to
BS EN ISO 9001:2008



...part of **AMETEK**® Advanced Measurement Technology

Unit B1 Armstrong Mall
Southwood Business Park
Farnborough GU14 0NR
United Kingdom
Tel: +44 (0) 1252 556 800
Fax: +44 (0) 1252 556 899

801 South Illinois Avenue
Oak Ridge
TN 37831
USA
Tel: (1) 865-425-1360
Fax: (1) 865-425-2410

solartron.info@ametek.com

www.solartronanalytical.com