EUROTHERM FLEXIBLE SOLUTIONS

iTools

SOFTWARE TOOLS...

...a versatile suite of software

EUROTHERM®
invensys®
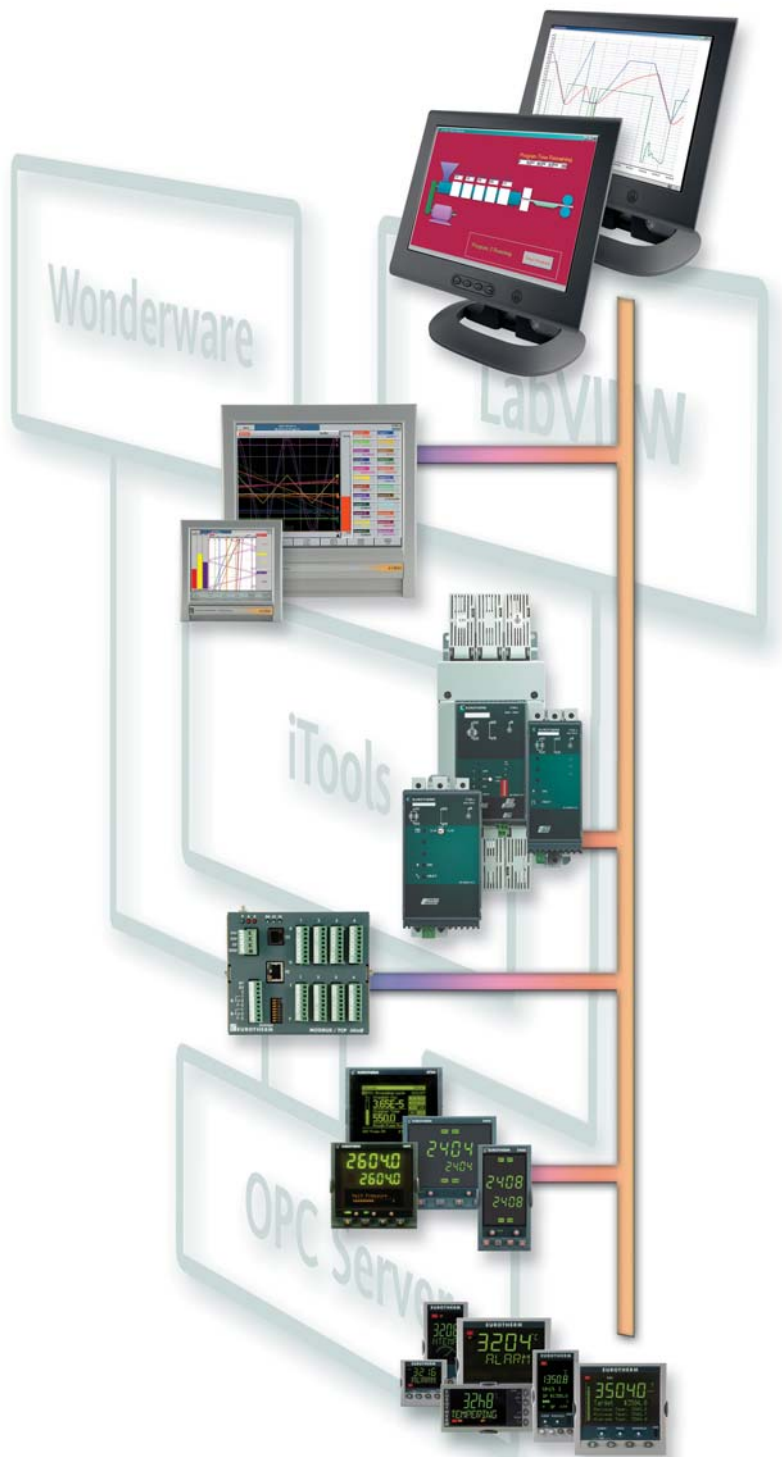
iTools

Configuration, Data Logging, Communications and Monitoring Software

- **Configuration with Wizards to help the user**
- **Graphical wiring editor**
- **Cloning**
- **Terminal wiring visualisation**
- **Data logging and trending**
- **Setpoint program editor**
- **Process monitoring**
- **OPC Server**
- **Remote connection**

iTools is a versatile suite of software tools to allow configuration and monitoring of all Eurotherm® 2000 and 3000 Series Controllers and the T630 Process Controller. It also provides runtime monitoring of the 6000 Series graphical recording and data management units. It is capable of editing, storing and 'cloning' complete controller configurations as well as setting up data logging, process monitoring and Ethernet and modem connections.

GRAPHICAL WIRING EDITOR

- **Simple 'Drag & Drop' wiring**
- **Pre-configured function blocks**
- **Access to real time monitoring**

Configuring Eurotherm controllers has never been easier with the Graphical Wiring Editor within iTools. This intuitive tool allows the user to configure 3500, Mini8® Controller, 2604 and 2704 controllers, using a simple drag and drop graphical interface. By using pre-configured function blocks within the Graphical Wiring Editor, the user can develop advanced control applications in minutes.
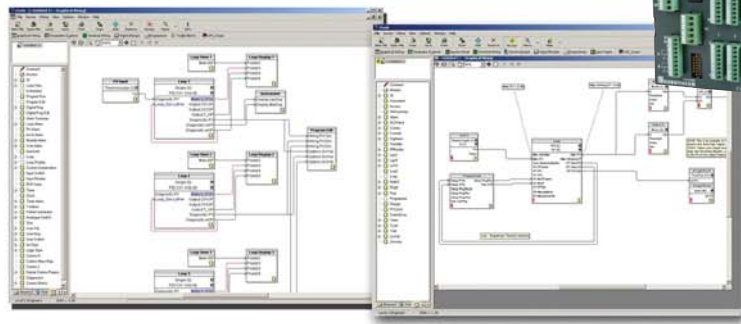
USER PAGES
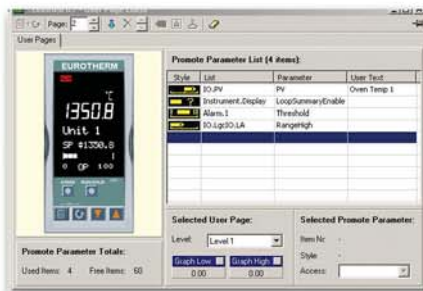
The User Page Editor is used to set up custom controller displays. Various display styles are supported, including bargraph, numerical and custom messages. It shows a scrollable sequence of parameter values in a variety of display styles.

TERMINAL WIRING

Terminal Wiring allows the user to view the rear terminal panel of the selected device, and to determine the hardware setup. When online this view automatically updates to reflect the current instrument configuration. When developing a configuration offline, this view allows the user to define the requires device I/O.
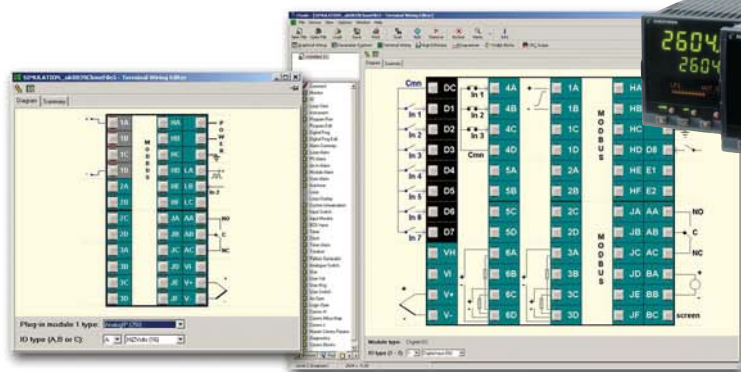
VIEW BUILDER/RUNNER

- **Customised screens**
- **Import background images**
- **User buttons to switch between screens**
- **Live data monitoring**
- **Operator interface to controls**

View Builder allows users to create PC based customised screens for simple process monitoring, commissioning and diagnostics to suit their process needs.

Once a View Builder screen has been created, the View Runner shows live values from the process with interactive buttons as an intuitive operator interface.

OPC SCOPE

OPC Scope is a separate utility that allows trending, data logging and Dynamic Data Exchange (DDE). It is an OPC explorer program that can connect to any OPC server that is in the Windows registry.

Both data logging and trending are available and the user can trend and view live data, with a scaleable time axis between 1 minute and 1 month. This utility also offers a Historical Review mode and data can be logged onto the PC hard disk, from which it may be retrieved and analysed in an Excel spreadsheet.
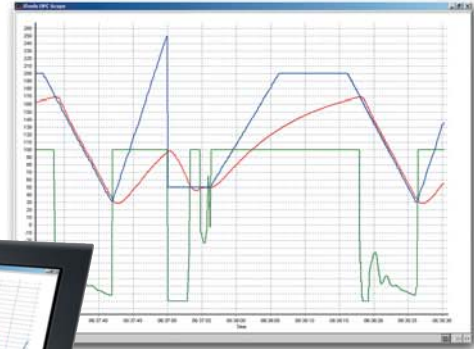
DEVICE PANEL

Clicking on this Views Toolbar item causes a front panel faceplate of the selected device to appear in the main iTools frame. For many instruments types, any digital displays and/or push buttons etc. which 'appear' on the device itself, are mimicked on this Device Panel View, allowing the device to be 'operated' via iTools (instead of at the panel) if desired.
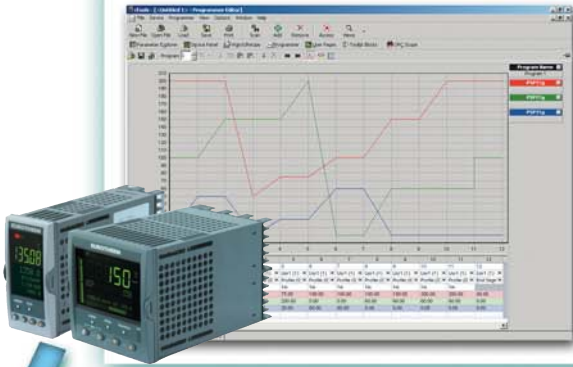
FLASH MEMORY EDITOR

The Flash Memory Editor allows the editing of five tabbed lists. These are used for user messages and recipes.

PROGRAMMING

- **Simple setup of setpoint profiles**
- **Store, retrieve and download program files**
- **Unlimited program storage**
- **Online and offline editing**

The Setpoint Program Editor within iTools provides a simple method of configuring setpoint profiles and programmable event outputs. Programs can be edited live - online with the controller, or offline - for download after editing or storage of the profile. Storage of profiles is limited only by the amount of disk space available on the PC.

WIZARDS

Configuration wizards are provided to simplify the configuration of a number of Eurotherm controllers. The user is provided with a number of pages giving a step by step configuration process with interactive help and graphical demonstrations of the different options. Tools can be provided to allow advanced users and OEMs to create their own wizards.

The wizards can either run stand-alone or within iTools and will be automatically offered when the instrument is first loaded into iTools.
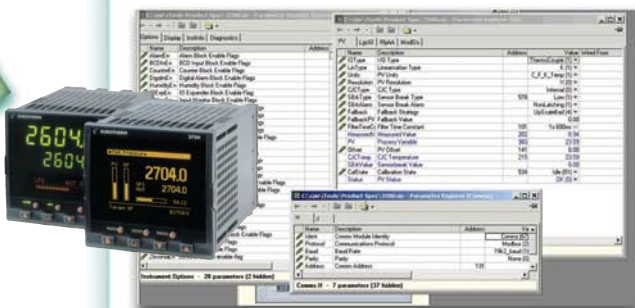
DEVICE AND WATCH RECIPE EDITOR

The Device Recipe Editor is used to configure a recipe parameter list to be stored and used within the controller.

The watch window allows the user to monitor defined parameters from different browse lists.

PARAMETER EXPLORER

The parameter explorer window shows the parameters associated with the current iTools browse list. This list is continuously synchronised with the user's browsing activity in the iTools browse panel tree.

iTools Engineering Studio

Versatile suite of software tools designed to simplify the configuration
and visualisation of Eurotherms range of controllers and data management

Editors include
GRAPHICAL WIRING
TERMINAL WIRING
USER PAGES
PROGRAMMER
PARAMETER EXPLORER
DEVICE RECIPE EDITOR
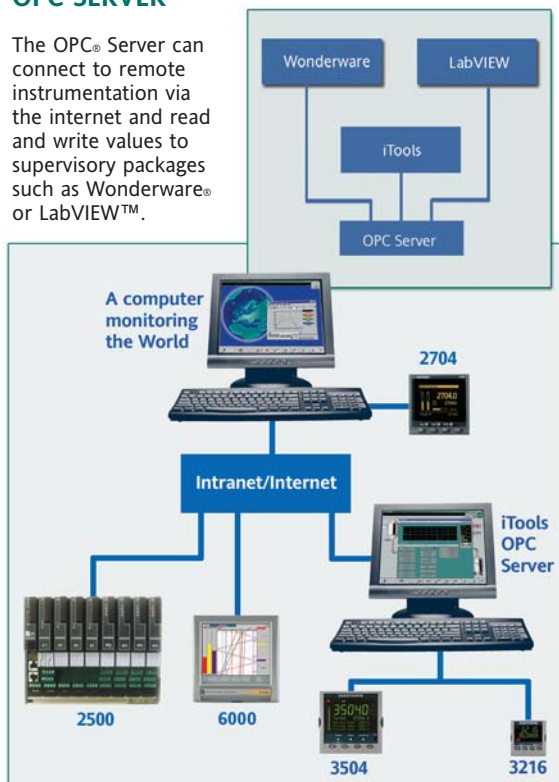**CONFIGURATION WIZARDS**
CLONE FUNCTIONALITY

visualisation using Eurotherms embedded OPC server includes
DEVICE PANELS
OPCSCOPE OPC CLIENT
**VIEW RUNNER**
WATCH RECIPE WINDOW
REMOTE CONNECTION
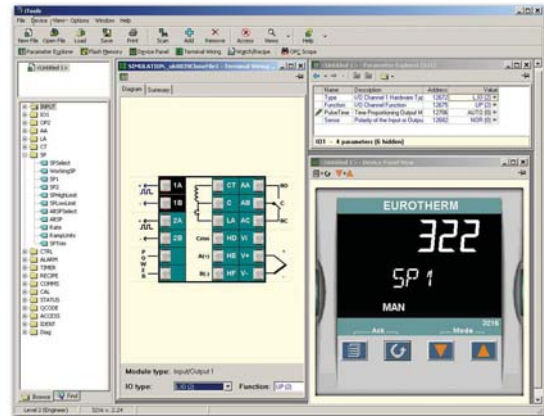
OPC SERVER

The OPC® Server can connect to remote instrumentation via the internet and read and write values to supervisory packages such as Wonderware® or LabVIEW™.

- OPC Data Access 2 server
- Supports
    - Modbus TCP
    - Modbus RTU over serial including modem
    - Remote access
        - OPC using Microsoft® DCOM
        - Modbus TCP (including through Firewalls)
- Modbus TCP to Modbus serial gateway
    - Remote PC access internet/intranet to iTools OPC server
- Automatic network scanning and device detection
- Can integrate any Modbus RTU communicating device
- Includes advanced communication diagnostic and monitoring tools

6000 Series Recorders
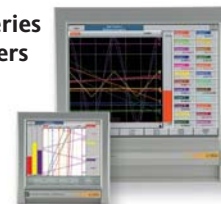
7000 Series Thyristors

Mini8® Controller

2000 Series Controllers

3000 Series Controllers

Order Code

ITOOLS	1	2	3	4	5	6	7

Basic Product	
ITools	Softwae tools

1	iTools	
CD	Supplied on CD
XXXXXX	None standard

2	Configuration Kit	
NONE	None (CD only)
3000CK	3000 Series (with clip and cable)
3000CC	3000 Series clip only with cable (no PSU)
3500IR	3500 Series infra red port (UK power connector)
2000UK	2000 Series (UK power connector)
2000EU	2000 Series (European power connector)
2000US	2000 Series (USA power connector)
2500NC	2500 Series (no power connector)
2500UK	2500 Series (UK power connector)

3	Configuration Software	
STD	Enabled (includes integrated Setpoint Programmer Editor)
NOCONF	Disabled
LMTD	Limited – no config access to instrument

4	OPC Server	
STD	Standard
OPC	Open OPC Server for use with 3rd party software (e.g. Wonderware)

5	Trending & Logging (OPC scope)	
XXX	None
TREND	Trend displays enabled (OPC Scope)

6	View Builder	
XXX	None
VIEW	View Builder enabled

7	Standalone Setpoint Programming Editor	
XXX	None
SPE	Standalone setpoint programmer editor

Eurotherm: International sales and service

Understanding and providing local support is a key part of Eurotherm's business. Complementing worldwide Eurotherm offices are a whole range of partners and a comprehensive technical support team... a soothing melody to ensure you get a service you will want to go back to.

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ED53

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