

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

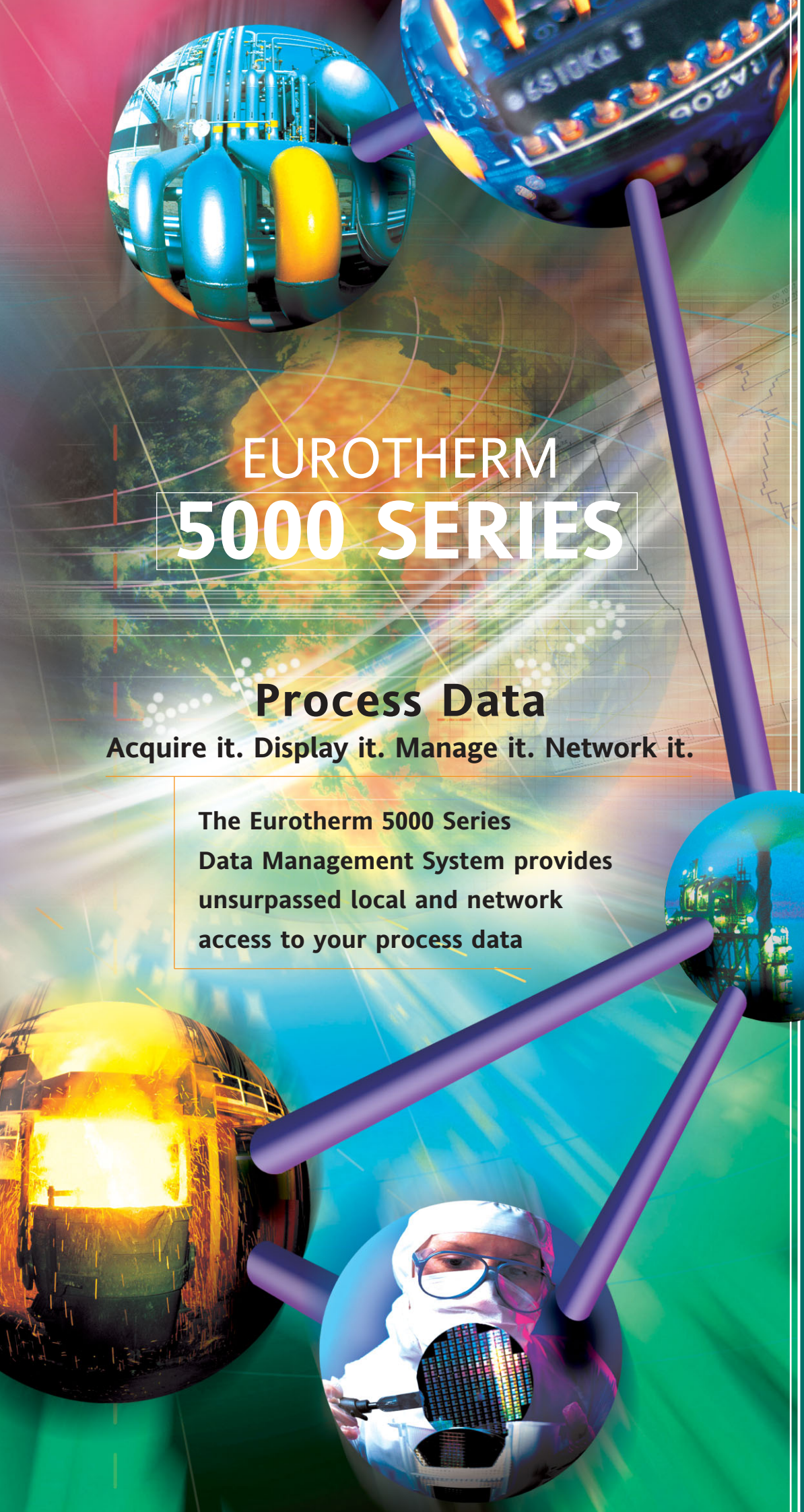
Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*



invensys
EUROTHERM

EUROTHERM
5000 SERIES

Process Data

Acquire it. Display it. Manage it. Network it.

The Eurotherm 5000 Series Data Management System provides unsurpassed local and network access to your process data

Technical innovation and design excellence *means peerless data acquisition from Eurotherm*



5000

ETHERNET

	Screen Size	Input Channels	Relay Outputs	Events Inputs	Removable Data Storage	Ethernet Network Connection	Master Comms	Slave Comms	Serial Comms	ASCII Printer Support	Email
5180V	12.1 inch	up to 48	up to 27	up to 24	PCCard or Floppy Disk	Standard	Serial and Ethernet	Serial and Ethernet	Modbus or ASCII	Available	Available
5100V	5.5 inch	up to 18	up to 12	up to 12	PCCard or Floppy Disk	Standard	Serial and Ethernet	Serial and Ethernet	Modbus or ASCII	Available	Available
5100e	5 inch	3 or 6	1	Not available	Floppy Disk	Standard	Not available	Ethernet	Not available	Available	Available

5000 Series – data acquisition, display – a complete data management system

Constant focus on technical innovation and design excellence gives Eurotherm a world-beating product range.

High accuracy input measurement has always been a hallmark of Eurotherm products. The 5000 Series is designed to acquire process data and then to display, transfer and manage that data using secure yet flexible means to meet varying user needs.

The 5000 Series uses the very latest in RISC processor technology to give a powerful platform now and for the future. Communication via Ethernet makes it an industry standard networking tool – process data has never been so easily available while still maintaining integrity and security.

The sophistication of Eurotherm products continues to grow. New features are constantly being added in response to customer needs. Our superb Research and Development team is continuously striving to improve and extend our range.



FTP

RISC

Internet

Intranet

Q What benefits will Ethernet connection give me?

a The Ethernet connection on all the 5000 Series gives fast, simple and secure data acquisition - you no longer have to leave your desk to obtain live or historical data from your process. Using your local network, Internet or dial-up connection, Bridge 5000 software gives you complete viewing, operation and configuration of the 5000 instrument and, with Master Comms, fast access to other plant instrumentation. Review software enables you to view and analyse historical data obtained via the FTP (File Transfer Protocol) feature.

Q Traditional recording equipment would not work well with my batch process environment. How will the 5000 Series be better?

a The 5000 Series 'V' range has the option to process data using Batch 5000 functionality. Batch 5000 is designed to help meet the requirements of FDA 21 CFR Part 11. Full batch information including: Operator details; Start/stop time and date, and Operator entered batch data can be viewed and reviewed on a batch by batch basis. Using the Groups option, multiple Batches may be configured to run simultaneously.

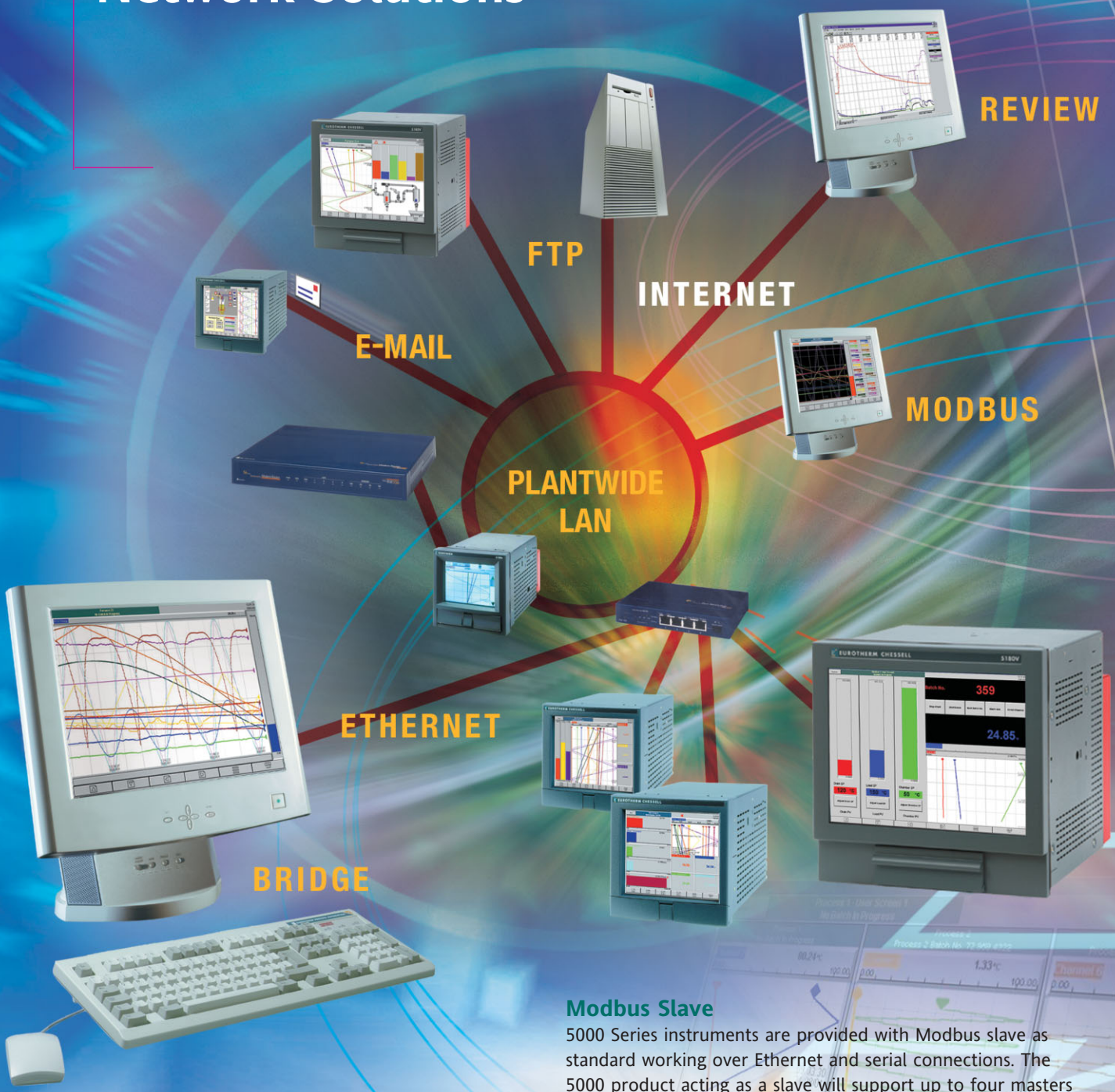
Q How can I be sure that my process data is stored without loss or tampering?

a The 5000 Series has various archiving possibilities all of which use a proprietary tamper-proof data format. 5000 units have an internal Flash memory that will store historical data. This data can be extracted via either a PCCard, floppy disk or network to preserve your required long-term records.

CSV Output	SNTP	User Screens	Bridge 5000 Compatible	Batch 5000	Groups	Maths, Totalisers, Counters	Timers	Auditor Features	Security Manager	Custom Messages	Adaptive Recording
Available	Unicast server and client	Available	Yes	Available	1 or 6	0, 12, 36 or 48	12 available	Available	Available	24	Standard
Available	Unicast server and client	Available	Yes	Available	1 or 6	0, 12, 36 or 78	12 available	Available	Available	24	Standard
Available	Unicast server and client	Not available	Yes	Not available	1 or 2	0 or 12	6 available	Not available	Available	12	Not available

5000 series

Network Solutions



Communicate

The 5000 Series is designed to provide powerful, yet easy to use, network and communication options. Whether a local connection is required or access from the other side of the world, the 5000 Series provides secure access to process data when and where you need it.

Modbus Slave

5000 Series instruments are provided with Modbus slave as standard working over Ethernet and serial connections. The 5000 product acting as a slave will support up to four masters at any one time. A single host computer can talk to any number of 5000s over the network.

FTP

Remotely acquire historical data using Internet Explorer standard file transfer protocol (FTP). All 5000 instruments are both a FTP client and server.

Time Synchronisation (SNTP)

Simple Network Time Protocol (SNTP) is an integral part of every 5000 Series instrument - giving confidence that time stamps are accurate and consistent for data acquired by multiple instruments.

Networks

Touch screen

CONNECTIONS MADE EASY

Master Communications

5000 Series with Master Comms for unsurpassed access to process data everywhere

The 5180V and 5100V support Modbus Master Communications over Ethernet and Serial connections. Powerful features from within the 5000 Series – such as user-defined screens, remote access and Auditor Features – can now be applied to other plant equipment. Whether you need to securely record data from other instruments or a centralised HMI for operator use – 5000 Series offers you a simple and powerful solution.

Q Can I use the 5000 as an HMI to controllers or other instruments on the plant?

a Yes! The 5000 can communicate with any instrument that supports Modbus protocol - Ethernet or Serial. Data read from the slave instrument can be recorded and, with the Screen Builder option, displayed in a way to best suit the specific process. Buttons can be placed on a screen for operator interaction, such as writing a setpoint to a controller from the 5000 HMI.



Product Support

The 5000 will automatically recognise other Eurotherm products on the network and auto-configure parameters for the operator to use. Additional parameters in any instrument can be manually configured. The 5000 Master Communications will support any Modbus device – if the instrument is not a recognised profile, the user may manually configure the device – offering ultimate flexibility via easy-to-use configuration pages.

Serial to Ethernet

The 5000 Series supports both serial and Ethernet connectivity. Information from a serial slave device can be read over the Ethernet. There is also support for 'Talk through' communications enabling configuration and operation of a slave device over the network 'through' the 5000.

Autoscan networked devices

Master Communications in the 5000 Series is designed for simple connectivity and ease of operator use. The 5000 Master Unit will scan a user-defined selection of addresses and auto-detect devices on the network.

Remote access

Using the Bridge 5000 software, all data accessed by the 5000 can be viewed remotely on any PC anywhere on the network - including data from slave devices.

E-mail

The 5000 Series range of Data Acquisition units offers alarm notification via E-mail for up to 50 recipients. Implementing the widely recognised (SMTP) Simple Mail Transfer Protocol the 5000 Series are able to send text messages to both E-mail and SMS accounts, thus providing instantaneous information regarding the status of the process.

5000 series

Secure Data Archiving

Flexible, secure acquisition for valuable data

- Latest touch screen technology
- Parallel sampling up to 125ms
- High noise rejection
- Individual input channel isolation
- Safe storage of data
- Robust archiving strategies
- CSV output
- Easy-to-use networking



Archiving

Access to the extensive functionality of the 5000 Series is via touch screen technology - there are no complicated button sequences and the design of the instruments makes them simple and intuitive for the operator to use.

The recording and archiving strategies used give the user flexibility and protection against loss of data.

Input and calculated data are continually logged to the large internal, non-volatile Flash memory. Data cannot be deleted or modified within this memory and files are stored on a first in, first out basis.

Various archive strategies may be set up within the 5000. Automatic archives can be configured at pre-defined intervals to archive data to the floppy disk / PCCard and / or via the Ethernet to a server using FTP. For security the instruments can be configured with primary and back-up server addresses. The Review PC software, included with the 5000, may be set up to automatically fetch files at pre-defined intervals or when it detects a new log file within the recorder. A user may also choose to manually archive files using any of these methods at any time. The flexibility of the 5000s archive capabilities ensures data is transferred safely for long term storage.



Java Runtime Environment

The 5000 Series and Bridge software use Java as their runtime environment. Java provides freedom of choice through multi-platform compatibility. It is a highly secure, open, robust and flexible platform. Java enables the use of Bridge software on PDA devices providing the ultimate in remote, mobile access to 5000 instruments - from viewing of data to full configuration.

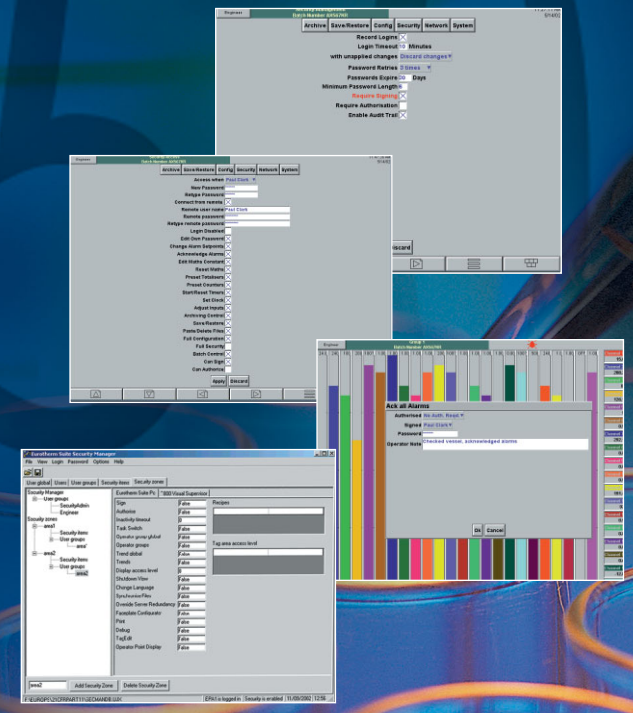
Auditor

Complete Security and Traceability to protect data

The 5000 Series of recorders all come with comprehensive security features. There are no limits to the number of users that can be entered onto the recorder. Each user name must be unique and each user can be given customised access permissions. Disabling of accounts still maintains the record and uniqueness of the user name. Files are stored in a binary, checksummed format to prevent any tampering with the data that is recorded.

In addition to this standard functionality is the option of an Auditor Features pack to provide complete traceability using a secure Audit Trail, Electronic Signatures and Signature Element Controls designed to comply with the requirements of 21 CFR Part 11.

21 CFR Part 11



Security Manager

Security Manager is a centralised security system where User Names, Passwords and Access Permissions can be controlled from a central PC or multiple designated PCs. Designed to assist with Federal Regulation 21CFR Part 11 for the Pharmaceutical Industry.

Auditor Features

Secure Audit Trails

A secure, product-generated, time-stamped audit trail to record the date and time, operator details and actions taken on the recorder. The audit trail is kept with the electronic process data, records all actions and cannot be removed or modified.

Electronic Signing

When selected, operators need to re-enter their user name and password before an action is complete. The recorder can also be configured to request authorisation - a second signature - before the action is completed.

Signed Operator Comments

Allows the user to manually add a note to the record with an authorised Electronic Signature.

Signature Element Controls

Passwords will automatically expire unless renewed within a configurable time.

User accounts are disabled after a number of failed login attempts and the failure logged within the Audit Trail.

A required minimum length of password can be configured.

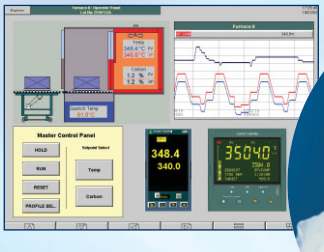
Recorded Logins

Every time an operator logs in the user name, date and time are recorded in the Audit Trail.

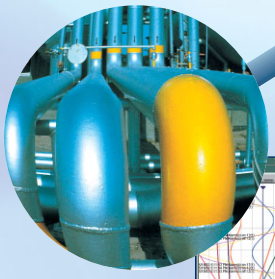
Screen Builder

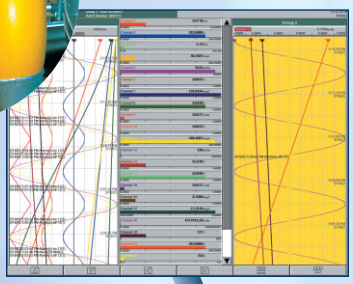
Custom graphic screens tailored to your application needs

The 5000 Series have colour, touchscreen displays designed for ease of use and simple configuration.
We understand the need for data to be represented in the most interpretable format for the operator.
The 5000 Series have vertical trend, horizontal trend, vertical bar graph, horizontal bar graph and numeric standard displays. In addition, the 'V' range is available with the Screen Builder feature. Screen Builder available as either LITE or FULL allows you to customise six or 24 (depending on selected option) additional displays to best reflect the given process. Any of the standard display formats can be placed anywhere on the screen. Pictures may also be loaded into a 5000 Series V range instrument for use as a background image.
Active buttons may be added to a display for quick and simple operator actions - for example writing a set point to a controller or to preset a totaliser. This truly makes a standard product into a process specific special!









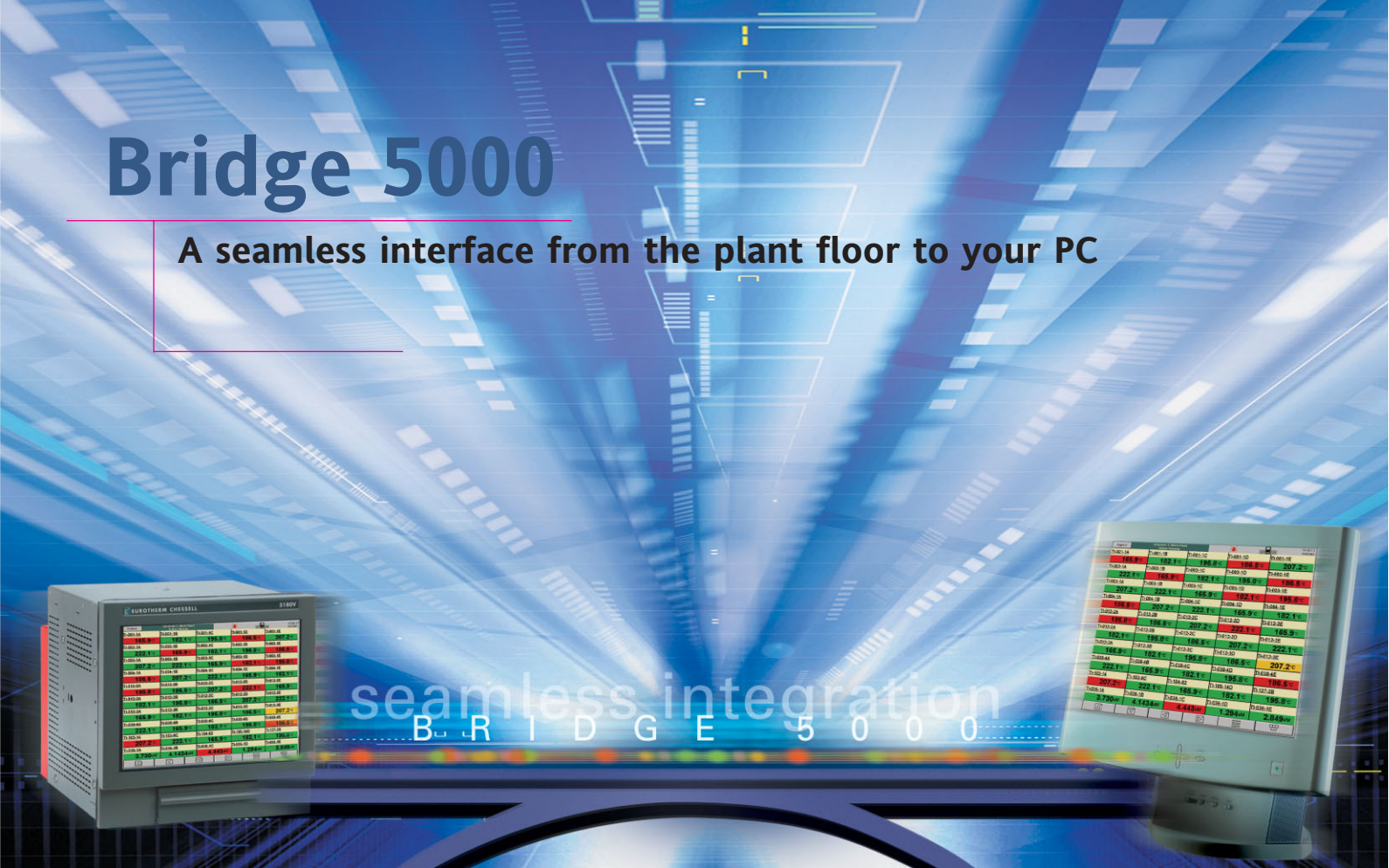


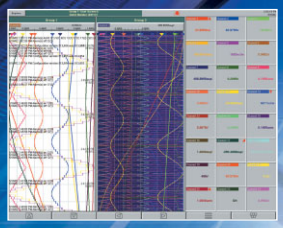
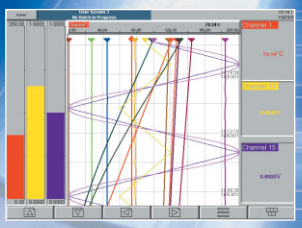
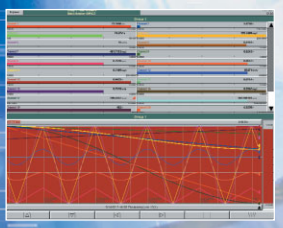
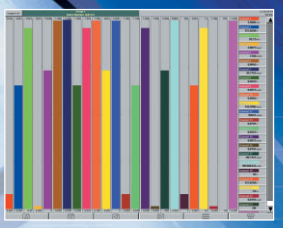


Seamless
User defined interfacing
graphic displays

Bridge 5000

A seamless interface from the plant floor to your PC






Eurotherm have harnessed today's technologies to provide remote access to 5000 instruments from any distance using the Bridge 5000 software. Bridge 5000 is a powerful, yet easy-to-use, software package giving access to networked 5000s from any PC anywhere in the world. With the correct security access, the user can view any number of networked 5000s using the Local Area Network, dial-up connection, intranet or Internet.

Two versions are available - **Lite** and **Full.**

Bridge Lite provides the user with remote, live viewing functionality. All standard 5000 displays and instrument history can be viewed as an independent operator interface.

Full Bridge gives total access to a 5000 instrument - including viewing of data, operation and configuration. Operators only have to learn one interface as the 'look and feel' of the product via Bridge is exactly the same as via the instrument display. Each user can have a specific User Name and Password with customised security access - allowing anything from just viewing data to controlling batches or full configuration permissions. The user can also view, create and edit custom graphic screens to give the best possible view of the process.

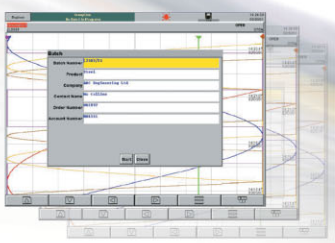
Batch 5000



- Batch specific logging of data
- Multiple batch functionality
- Automatic batch archive
- Batch search capabilities
- Operator details, time and date - logged at start and stop of batch
- Simple configuration to meet specific process needs



Continuous or Individual Batch









The 5000 Series 'V' range support the Batch 5000 option. This software enables you to enter information specific to a batch and record this with other process data. The Batch option can be configured for up to six operator entry fields. These free format fields may include any application specific data such as Batch Number, Job number, Charge number, Customer name, Product type and Order number. Batch 5000 can be used in either a continuous or start/stop mode. Used with the Groups option, the 5000 can be configured to run up to six batches from separate input groups - enabling a single instrument to record batch data from up to six different processes. Bar code inputs can be added via Ethernet or Serial Connections.

Named user accounts can be created with individual passwords and access privileges. The operator details will be logged with the rest of the batch data on start and/or stop of batch providing traceability of operations.

5000

More functionality - more flexibility

Groups
Maths Totalisers





Groups

The ability to Group data to best suit the process requirements. Any number of input channels, maths channels, totalisers and counters can be added to any of up to six Groups. Each Group can be displayed in any of the display formats available - trend, numeric, bar graph or customised user screen. Each Group can be configured to record at different speeds with archiving strategies to suit. Each Group can also be named as appropriate and that name will appear within the archive log file for easy searching at a later date. When used with the Batch feature, the user can run multiple batches on a single recorder and can start and stop batches on a Group by Group basis.

Maths

Multiple maths channels are available on the all of the 5000 Series. Maths functions can be carried out on any channel - input channel, maths channel or totaliser. Up to 78 maths channels are available, with 42 functions including standard operators (+-/x), flow calculations, averaging and many more.

Timers

Timers can be set to start at a specific date and time. They can run for a configurable length of time, then stop or repeat.

Counters

Counter values can be incremented or decremented. As with maths channels and totalisers, they can be displayed and added to any Group as desired. Counters can be pre-set to a specific value with the correct security access. Counters can also be used with the Batch functionality to give an automatic, incremental batch number and batch start.

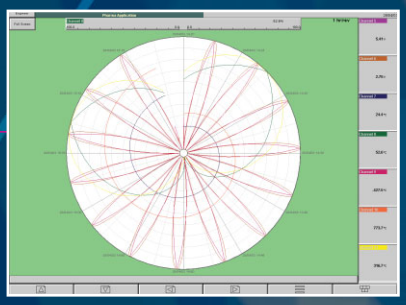
Totalisers

Each totaliser allows the user to maintain a running total of any input or maths channel. Each totaliser can be reset or pre-set to a value under the correct security access.



5000

More functionality - more flexibility



Q I do not expect my process data values to change quickly but want to catch any sudden 'spikes'. How should I set up my 5000?

a Use a slow recording rate for the data to make the best use of memory space but switch on Adaptive Recording. When Adaptive Recording is selected the instrument measures all inputs in the Group every 125ms and saves the maximum and minimum values during the sample period. When the trend is updated, both the maximum and minimum values for that sample period are recorded and will appear on the chart.

Circular Trend

The 5180V is available with a circular trend view displaying up to 12 data points. Chart speed is selectable from between 1 hour and 30 days per revolution.

Log Scale and Scientific Format

Provides a log scale for a specific channel or group of channels. Gridlines (major and minor) can be configured to best show the specific process.

A/B Switching

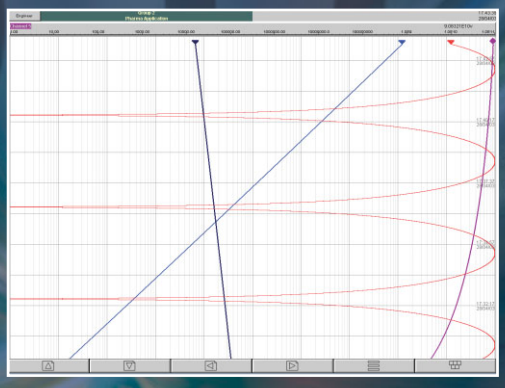
A channel or group may be switched between settings on a specific event. Switching functions include span A/B, colour A/B, trend speed A/B and recording speed A/B.

Circular Trend

A/B Switching



Log Scale

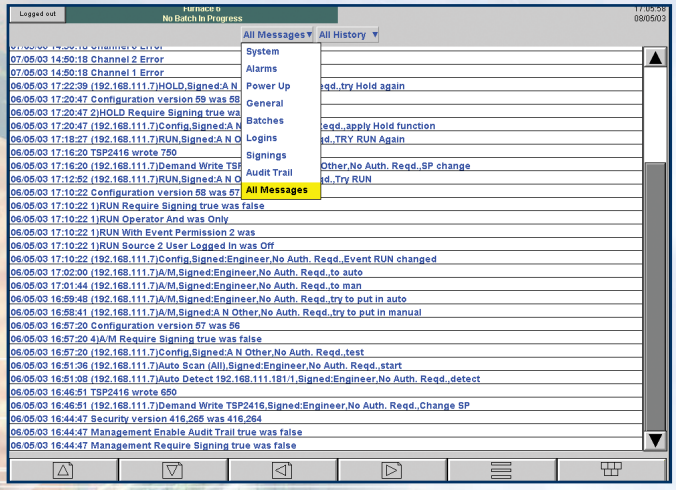




& Scientific Format



SNTP Portable Messages





Custom Messages

Pre-defined messages can be added as text to the trend or appear as pop-up dialogue boxes on the screen when a certain event occurs e.g. when a channel goes into alarm.

Message Log and Alarm Summary

Alarms and messages recorded in the 5000 can now be viewed quickly and easily from Alarm Summary and Message Log pages.

The Message Log contains all historical text entries - from Operator Notes to Alarm information. The user can choose which types of messages to view over a selectable period of time. If the user selects a message by touching it on the screen they may jump to the trend history at the point where this message occurred.

The Alarm Summary provides an instant view of all current, active alarms within a process Group.

Operator Notes

Operators can add a free-form note to the trend at any time. This gives total flexibility to add information at any point in time that will be embedded with the process data for the lifetime of the file.

Event Pack

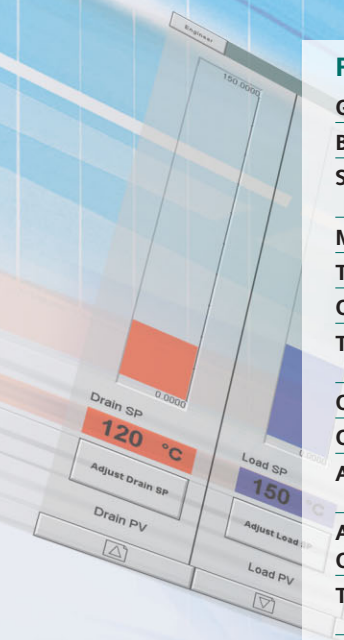
The 5000 Series support up to 96 configurable Events. Each event can be configured with up to two sources, linked by Boolean logic functions. Event sources include a button being pressed on a user screen, an alarm, a user login, a batch or timer running and many more. The 5000 can be configured to action various jobs when an event is activated - for example, driving a relay, placing a message on the screen, acknowledging an alarm, A/B switching a channel or group or enabling recording. Events are an extremely powerful tool - whether used for interlocking, ease or automation of operator use or to simply highlight when a certain condition has been reached in the process.

Adaptive Recording

Adaptive recording shows the minimum and maximum value at 8Hz even if the 5000 is recording data at a slower rate thus recording any ‘spikes’ or anomalies between recorded points.

Portables

The 5100V is also available in a range of portable options with either general input terminals or thermocouple sockets for ease of connection. The robust, plastic exterior makes the instrument easy to carry and to use for mobile applications.



FEATURES	DESCRIPTION
Groups	Group data to best suit the application
Batch	Enter and associate specific batch data with process data
Screen Builder	Customise views to represent the application - available in Full or Lite versions
Maths	Up to 48 Maths channels. Select from 42 different functions
Totalisers	Maintain a running total of any input or Maths Channel
Counters	Increment or decrement a value
Timers	Start a timer at a specific time or on an event and run for a configurable period. Single or repeating functionality.
Custom Messages	Event driven, user-defined messages
Operator Notes	Manually add a free-form note to the trend at any time
Adaptive Recording	Record the maximum and minimum value of an input at 8Hz - no matter what the recording rate
ASCII Printer Output (Reports)	Configure up to 10 simple reports that can be directed to an ASCII printer
Time Synch	SNTP (Simple Network Time Protocol) ensures accurate time and date information
Modbus Master	Connect up to 16 other instruments to your 5000 using Ethernet and/or Serial Modbus communications
Modbus Slave	Write data values over Serial and Ethernet Modbus communications to the 5000 (Modbus TCP / RTU)
Circular Trend	Provides circular chart representation of data
Bridge	View data remotely over the network - available in Full or Lite versions
A/B Switching	Switch channel or Group settings on a user-defined event
Log Scale and Scientific Format	Configurable log scales and gridlines and scientific number notation
Message Log	View and sort Group messages on a single page - historic alarms, notes, audit trail
Alarm Summary	View all active alarms for a Group on a single page
Auditor	Enhance the security of the 5000 with features designed in accordance with 21 CFR Part 11
Events	Configure the 5000 to manage different Events - up to 96 Events can be configured, each with up to two sources, linked by Boolean logic functions
Event Buttons	Event buttons placed on a user-defined screen can be used for the operator to manually trigger an event
User Linearisations	Create up to four user-defined input linearisations with up to 66 points in each
E-mail	Event driven messages delivered electronically to remote users
CSV Outputs	Provides comma separated variable view of data for use with spreadsheet packages
Security Manager	Centralised security system for user management

5000 Maths functions

- Constant
- Add
- Subtract
- Multiply
- Divide
- Master Comms
- Slave Comms
- Stopwatch
- Copy
- Polynominal
- fValue
- Switch
- Modulus
- Time Stamp

- Linear Mass Flow
- Root Mass Flow
- Saturated Steam Mass Flow
- Saturated Steam Heat Flow
- Saturated Steam Heat Consumed
- Rolling Average
- MKT (Mean Kinetic Temperature)
- Group MKT
- Channel Maximum
- Channel Minimum
- Channel Average
- Group Average
- Group Maximum
- Group Minimum

- Group latched minimum
- Group latched maximum
- Sample and hold
- Square Root
- High Select
- Low Select
- 10^x
- Log_{10}
- Log_e
- e^x
- O_2 Correction
- Relative Humidity
- Zirconia Probe
- Rate of change

Seamless communications

5180V

Data Acquisition.
Display.
Management.



The 5180V is the largest of the 5000 Series, offering up to 48 input channels and 27 relay outputs. A 12.1 inch, colour, SVGA TFT touchscreen display gives unsurpassed visibility for the operator. It has either a PCCard or floppy disk drive as standard, along with 16.25 Mbytes of Flash memory (approximately 1.6 million samples) for data storage on board – making a powerful data storage unit.

5100V

High visibility

Current and historic data sets



The 5100V offers up to 18 input channels and 12 relay outputs. It has a 5.5 inch, colour, – ¼ VGA TFT touchscreen display. It is also supplied with either a PCCard or floppy disk drive as standard and has 8.25 Mbytes of Flash memory (approximately 0.80 million samples) for data storage onboard.

5100e

Universal inputs

Unmatched Accuracy



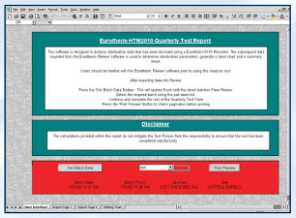
The 5100e offers the software and input excellence of the 5000 Series V range products in a low cost, entry level instrument. It has 3 or 6 freely configurable input channels and a single relay output. The operator interface is via a 5 inch, colour, – ¼ VGA STN touchscreen display and is supplied with a floppy disk drive and 3 Mbytes Flash memory (approximately 300,000 samples) data storage on board.

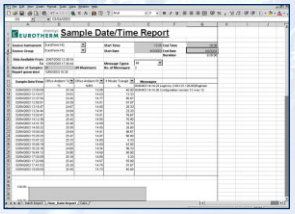
125ms sample rate

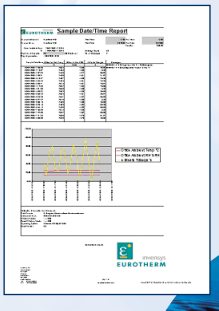
Cost effective solution

REPORT 5000

Process data reporting made easy







Process data reporting made easy - take the time and error out of manually generating reports from plant process data using Eurotherm's Report 5000 software package.

Report 5000 is a simple but extremely powerful Microsoft Excel Add-in. Secure data, recorded by the 5000 Series instrument, can be accessed by the software allowing simple, no hassle, report generation from the latest plant floor information in seconds. The user can create as many templates, styles and formats as required - providing different users or departments with the exact format of the process data to best meet their needs. A number of standard templates are included with this software - these can be used straight away or modified as required.

5000 Series features

Sample Rate 125ms parallel sampling

Inputs dc V, dc mV, dc mA (with shunt), TCs, RTD, Contact closure
Up to 4 user linearisation tables may also be added

Data Archiving

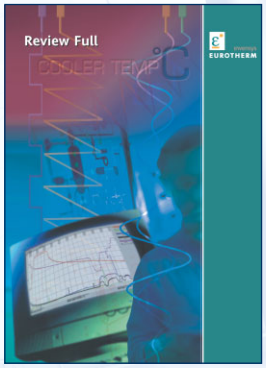
The 5000 Series is designed to store and protect your process data. Initially data is stored in the internal, non-volatile Flash memory. This data may then be archived to the removable PCCard or Floppy Disk. The storage capacity over time is dependent on memory size, data log rate and number of channels and Groups being recorded. Storage capacity need no longer be a concern as data may also be automatically archived to a remote server utilizing the Ethernet connection.

5180V/5100V/5100e Standard PC Software

Review Lite – Included with every 5000 Series

Review Lite software is included as standard with every 5000 Series data acquisition unit. This package acts as an efficient and secure library for data from which charts can be reviewed, printed and exported to other PC packages if required. Archive files from a 5000 are stored in a tamper-proof binary format and Review uses this format to enable chart view on a PC - ensuring integrity of both historical and new data.

- Chart print capability
- Time compression - expand or compress longer time periods or to focus in on specific detail
- 125ms resolution
- Text messages displayed
- Data can be obtained via a network, including the Internet, or using the removable storage media from a 5000
- Assisted backup and transfer from 5000 removable media and PC folders
- 'Go To' facility - go to a specific or relative date and time
- Batch search facility



Review Full

Additional functionality is available with the Review Full software package.

- Spreadsheet view of data
- Automatic printing of batches
- Copy chart to clipboard

Configuration Editor – Included with every 5000 Series

An offline configuration editor package is included as standard with every 5000 Series.
Configurations can be created and stored on a PC and easily loaded onto a 5000 Series instrument as required.

EUROTHERM LIMITED UK
Faraday Close Durrington Worthing BN13 3PL
Tel. +44 (0)1903 268500 Fax +44 (0)1903 265982
Email info@eurotherm.co.uk
www.eurotherm.co.uk

EUROTHERM US
741-F Miller Drive Leesburg VA 20175-8993
Tel. 1-703-443-0000 Fax 1-703-669-1300
Email info@eurotherm.com
www.eurotherm.com

EUROTHERM WORLDWIDE
For contact details in other countries please use:
www.eurotherm.co.uk

© Copyright Eurotherm Limited 2005

All rights are strictly reserved. No part of this document may be reproduced, modified, or transmitted in any form by any means, nor may it be stored in a retrieval system other than for the purpose to act as an aid in operating the equipment to which the document relates, without the prior written permission of Eurotherm limited.

Eurotherm Limited pursues a policy of continuous development and product improvement. The specifications in this document may therefore be changed without notice. The information in this document is given in good faith, but is intended for guidance only. Eurotherm Limited will accept no responsibility for any losses arising from errors in this document.

Part No. HA027125 Issue 7 5000 Series Brochure Printed in England 01.05

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP