Ordering Information Codes

Product	License	Description	Part Number
CALgrafix	CALgrafix 1 Client/1 server	CAL products only, no further clients or servers can be added	1002GB000
CALgrafix Professional	CALgrafix 1 Client/1 server	Additional clients and servers can be added	1003GB000
CALopc Server	CALopc Server license	Can be used with CALgrafix professional or other OPC compatible client	1004GB000
CALgrafix Client	Additional CALgrafix client license	For use with professional version	1005GB000

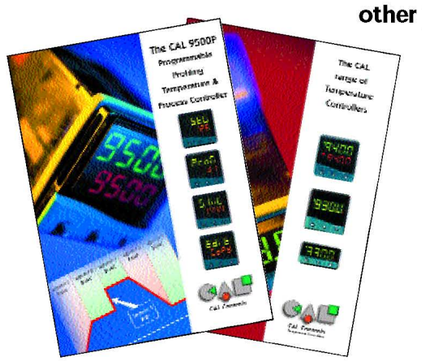
Supported products

3300/9300/9400/9500P temperature and process controllers.
Third party compatible device with OPC server support.

System requirements

The system requirements are highly dependent on the number of clients and servers connected but also the number of tags being updated and the frequency of update.
As a general requirement, we would recommend a minimum of Pentium 450MHz with 128MB RAM, Windows™ 98/ME/NT/2000.

Ask for these brochures for our other product ranges

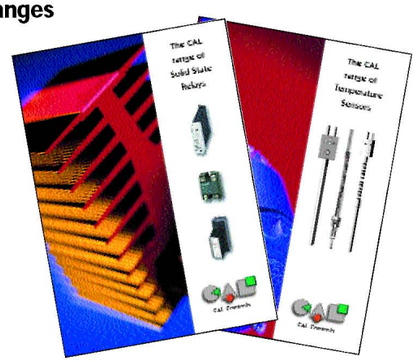


Temperature Controllers

Cost effective and versatile range of controllers with communications options. P.I.D. control, autotune and heat-cool strategy are all standard features.

Process Controllers

Controllers with programmable ramp/soak profiles. Various input, output and communications options are available.



Solid State Relays

Solid state relays for use in conjunction with controllers for fast and high frequency load switching.

Temperature Sensors

A wide range of thermocouples and RTD's for many applications. Also available is a range of associated accessories including cables, connectors, glands and thermowells.

Your nearest CAL contact;

SL000276 33066/01/1001

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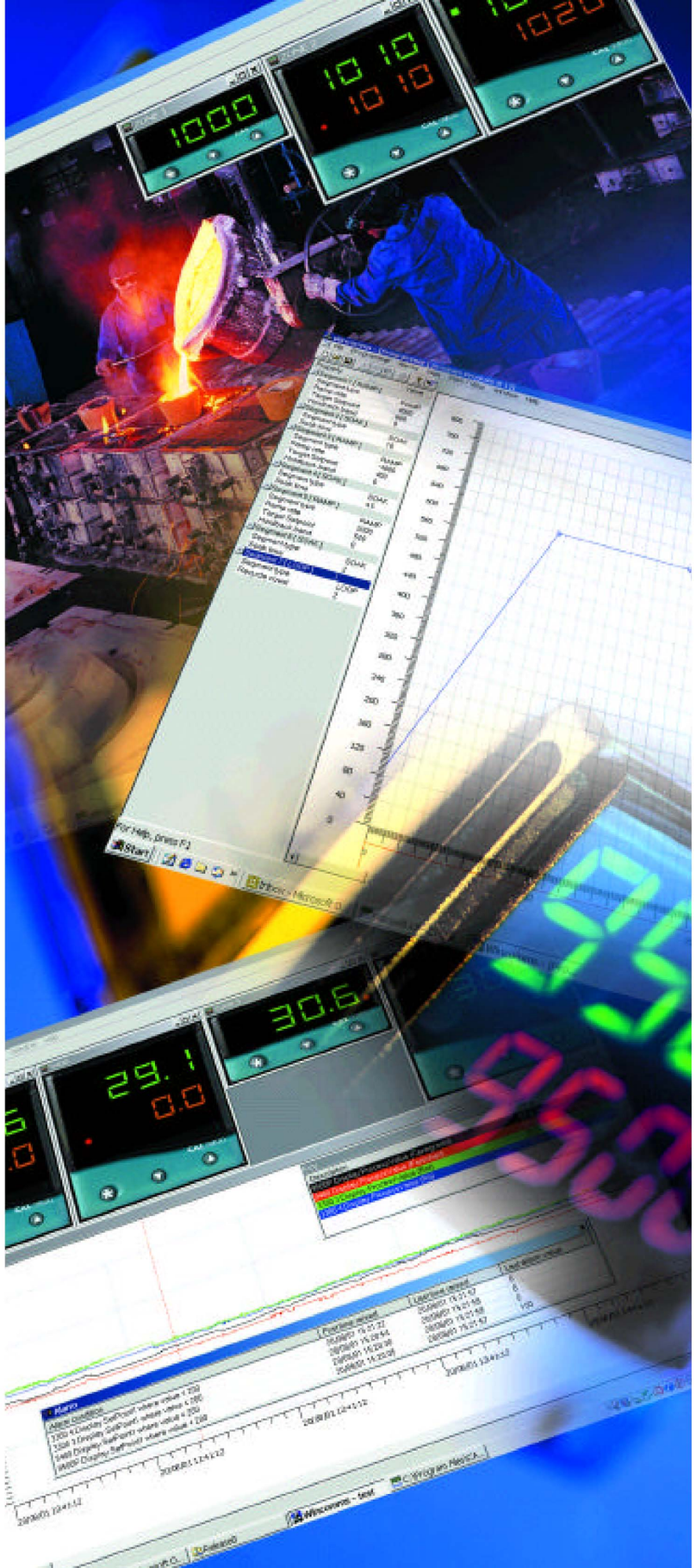
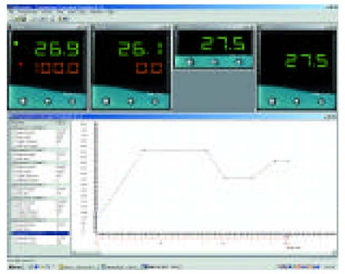
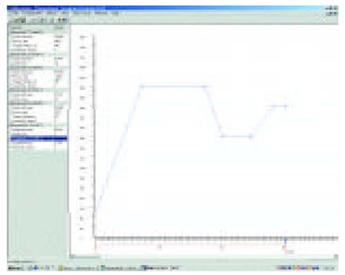


CALgrafix

Process Monitoring and Configuration Software





CAL Controls

CALgrafix Process Monitoring and Configuration Software

CALgrafix is cost-effective process monitoring and controller configuration software that provides added value to using CAL's range of process and temperature controllers. Features such as logging, charting, alarm indication, networking and configuration are integrated within a simple Windows™ based user interface.

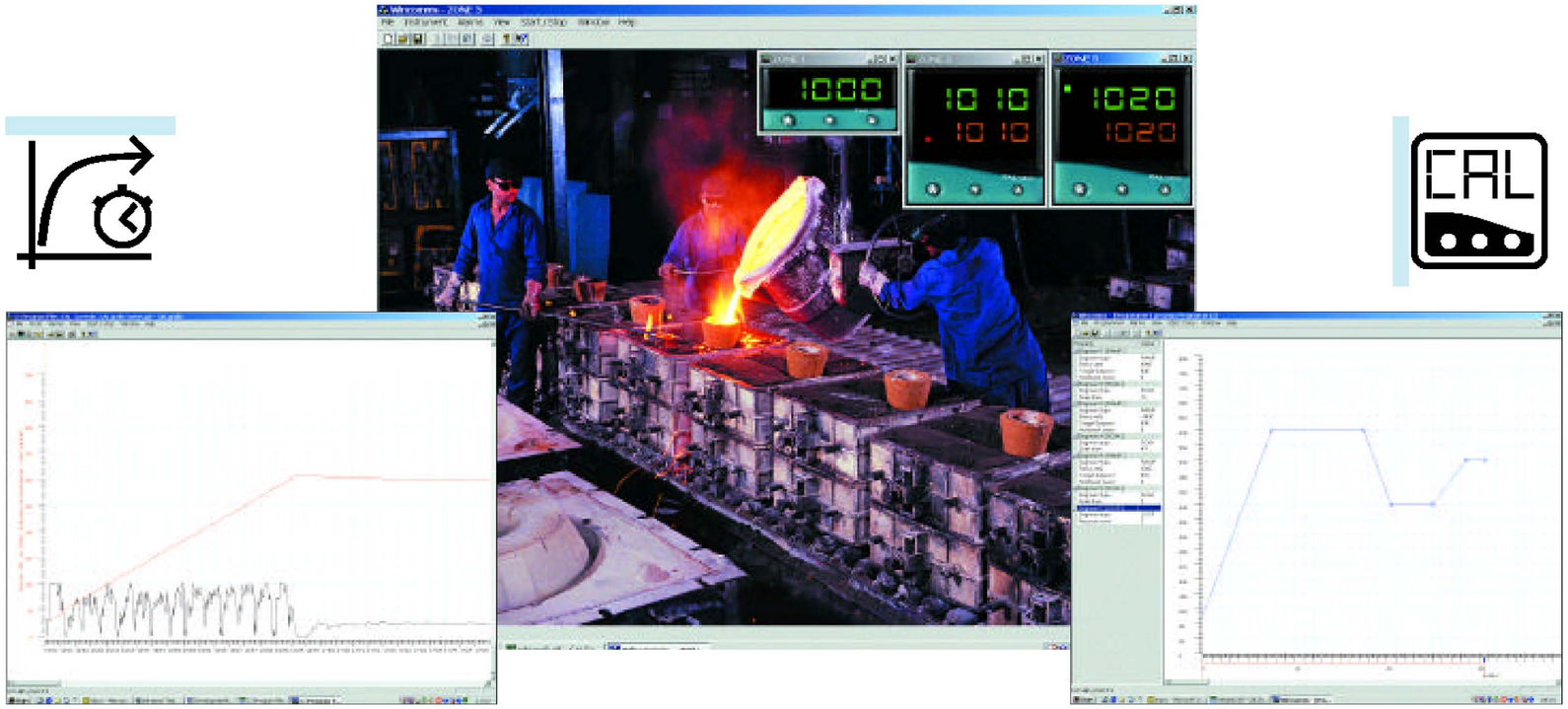
CALgrafix is ideal in applications where there is a requirement to monitor and record temperature or other process values. Examples: process data for manufacturing reporting, quality control, health and safety purposes or OEM system development.

Advantages of using CALgrafix

- Reduce installation time – quick and simple configuration of CAL's range of controllers
- Access to detailed process data via the charting and logging features
- Lower cost alternative to SCADA
- Simple set-up, no programming skills required
- Reduce response time to alarms
- Reduce changeover time for different process 'recipes'
- Vast networking possibilities with OPC client/server architecture.
  Contact CAL for further details

Charting and Logging

- Charting and logging is possible for all measured parameters. (e.g. PV, SP, Power output %)
- Automatic archives of data can be set. (i.e. every sec, min, hour or day).
- Export logged data to other applications
- Comments can be added to points of time in charts
- Multiple scaling on y-axis to show various measured values
- Custom colour settings for chart and traces
- Time base can be selected for charts
- Custom timed charts can be scheduled to run within a 24hr period



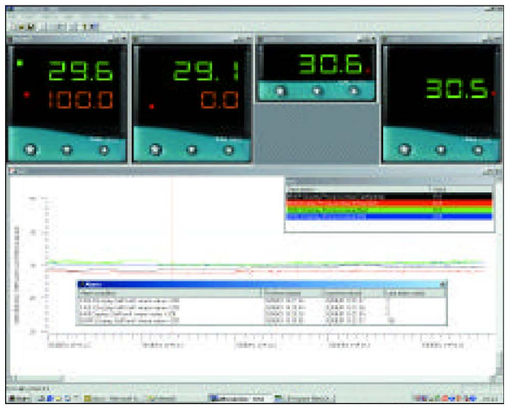
CALgrafix Applications

- Environmental and test chambers
- Plastic injection and extrusion machines
- Metal and glass annealing
- Material curing equipment
- Refrigeration equipment
- Ovens, autoclaves, furnaces, and kilns
- Scientific research and testing
- Food processing equipment
- Other process and OEM applications
- Semiconductor manufacturing processes
- and your application ……

Configuration

- Parameter set-up of 33/93/9400 and 9500P controllers
- Click'n'drag graphical profile set-up for 9500P process/temperature controllers
- Multiple programs and profiles can be saved and called for various applications
- Instrument setting cloning reduces set-up time

Contact CAL for network application notes



Alarms

- Audible .WAV file can be imported and launched during alarm condition
- <, > and band alarms can be set for all measured parameters
- Screen display priority is always given to alarm window
- Alarms are saved with application until acknowledged

Other Features

Digital bitmap image can be imported as the background

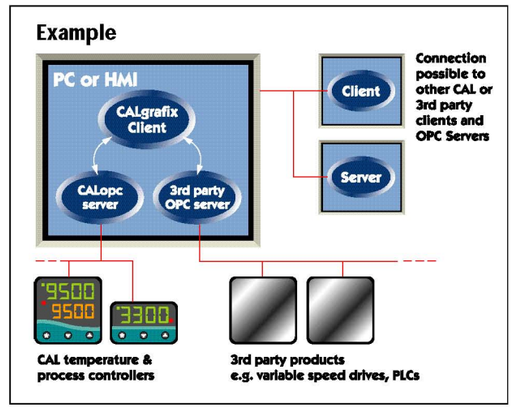
High resolution re-sizable image of each controller is displayed

Current process value is displayed on each controller image

FREE CALgrafix demo disk available on request

Networking

- Up to 128 controllers per RS485 network
- Modbus RTU protocol
- Multiple controller networks can be monitored by one PC running CALgrafix
  - A controller network can be monitored by a number of networked PC's running CALgrafix



Visit our website for - pdf technical manuals, application notes, new product information and much, much more

www.cal-controls.com