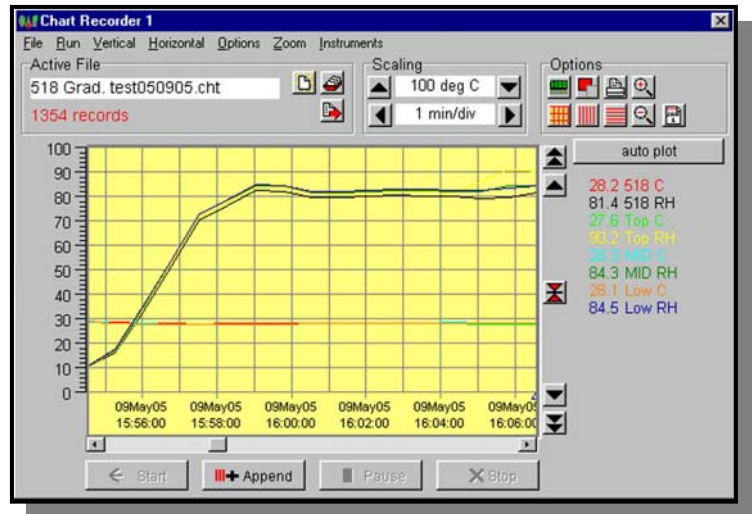# CONTROLLED ENVIRONMENT SYSTEMS SOFTWARE

Series 5000

Software available for ETS microprocessor-based Controllers and Controlled Environment Chambers utilizing CAL Controls$^©$ controller modules.

Features:

☐ **2 separate versions to meet user applications**

☐ **Easy to install and use**

☐ **Windows™ compatible software**

☐ **Single & multiple user licenses**

☐ **Log up to 128 controllers**

☐ **World wide technical support**

☐ **Cost effective**

Applications:

ETS microprocessor based controller systems utilize CAL Controls, Inc., a world leader in controller technology, controller modules. These systems are available with standard or optional computer interface using RS232 for single or RS485 communications for multiple unit control. For dedicated applications the CALCOMMS™ charting and logging software is simple and easy to use.

For more complex applications CALgrafix Professional software is an OPC based product that incorporates charting, logging, controller configuration and alarm functions within a single easy to use Windows™ based package.

The CALopc server license allows a network of controllers to connect to third party clients or additional networks of controllers when used with CALgrafix Professional.

electro-tech systems, inc.

www.electrotechsystems.com

3101 Mt. Carmel Avenue, Glenside, PA 19038 • Tel: (215) 887-2196 • Fax: (215) 887-0131
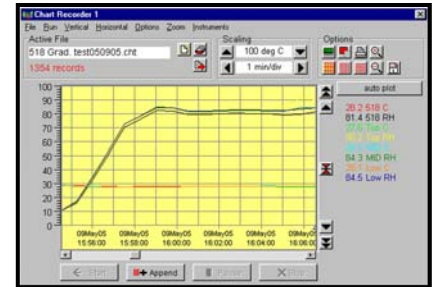
Description:

CALCOMMS: This software is available as an option for ETS Models 5100 and 5200 Controllers and the Model 5518 Controlled Environment Chamber. These units must require the optional communications board(s). They should be specified at time of order, but can be easily installed by the user at a later date. The CALCOMMS Applications Software provides enhanced display, charting, cloning, remote set point adjustment and alarming up to 128 controllers on a standard or industrial computer using the MODBUS® protocol via fully isolated RS-232 (single unit only) or RS-485 (multiple units) link to communicate with PCs running Windows™.

Controller Configuration

Charting

Controller Activity

CALgrafix Professional: Standard with the ETS Model 5532 Controlled Environment Chamber and as an option for ETS Models 5100-400 and 5200-400-400 Controllers. Calgrafix is an OPC based product that incorporates charting, logging, controller configuration and alarm functions within a single, easy to use Windows™ based package. OPC is an interfacing standard based on Microsoft®'s OLE/DCOM technology for interfacing between networks of instrumentation or control devices and software based applications eliminating the need for different drivers for the same device network. Software applications now written to comply with the OPC standard are referred to as OPC based clients and the link between device networks and OPC based clients is known as an OPC server.

CALgrafix Professional incorporates both a CALgrafix client license and a CALopc server license that allows a network of controllers to connect to third party clients, additional networks up to 128 controllers. A number of clients can be run on a PC network accessing any OPC server without software conflicts occurring. Additional distributed controller networks can be added by purchasing additional CALopc server licenses. Third party OPC servers can also be added to work in conjunction with CALgrafix. Available with pre-configured templates for all CAL control modules or custom templates can be created.

Additional Information: For additional information CAL software refer to www.cal-controls.com.

12/07