

The range of high quality PID (Proportional, Integral, Derivative) temperature controllers shown below are fitted to Carbolite Gero products. These controllers provide accurate temperature control that closely follows programmed ramp rates and setpoint temperatures. The full range is not fitted to all products, please see product pages for details.

NEW Touch Screen Controller

CC-T1 touch screen controller

The CC-T1 touch screen controllers offer programmable control in which 24 segments may be set as ramp, step or dwell and may also be configured to control relays.

The CC-T1 series provides a touch screen interface giving intuitive access to a comprehensive menu including: selection and editing of program profiles; scheduling of programs at a defined date/time; data logging of setpoint and actual temperature; localization of language; user level security. The CC-T1 series can also store and retrieve 10 unique program profiles. Data-logging is to a csv file which is accessed through the adjacent USB port. Ethernet communication is fitted as a standard feature.

When specified with a 3-zone product the control method is user selectable to be either retransmission of setpoint or independent control. With retransmission of setpoint the main zone controller's setpoint is automatically applied to the other zones. When running a program all zones will follow the program profile. With independent control each zones setpoint is set manually.

Standard features

- 4.3" colour touch screen
- Setpoint control
- Program profile control
- 10 unique program profiles saved in memory
- 24 segments per unique program
- Ethernet communication
- Panel mounted USB socket
- Data logging to a USB memory stick in a .csv file format
- Real time clock
- Program schedule start
- Program status indication with estimate end time & date
- Event indication (2 events)
- Control power indication
- User level security
- Dual temperature calibration
- Language setting: English, German, French, Italian, Spanish, Chinese, Russian, Japanese
- 3-zone version: retransmission of setpoint



The new CC-T1 touch screen controller in use.

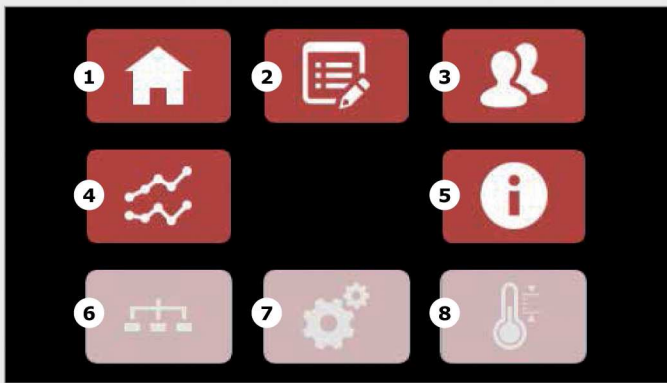
Options (specify these at time of order)

- Over-temperature protection (independent controller)
- Alarm activation of relays to operate devices such as a door interlock
- Program segment events
- Temperature alarm relay connections
- Cascade control
- Ethernet to USB adapter. To connect one product direct to a computer
- Ethernet firewall router with DHCP capability. To connect one product to an Ethernet network

User level functionality

User level	Functions
Operator	Change temperature setpoint <ul style="list-style-type: none"> • Run pre-configured programs • Run data logging
Supervisor	All of the above plus: <ul style="list-style-type: none"> • Configure and edit programs • Manage alarms
Administrator	All of the above plus: <ul style="list-style-type: none"> • Set language, time and date • Edit data logging settings • Edit settings including calibration and serial communication

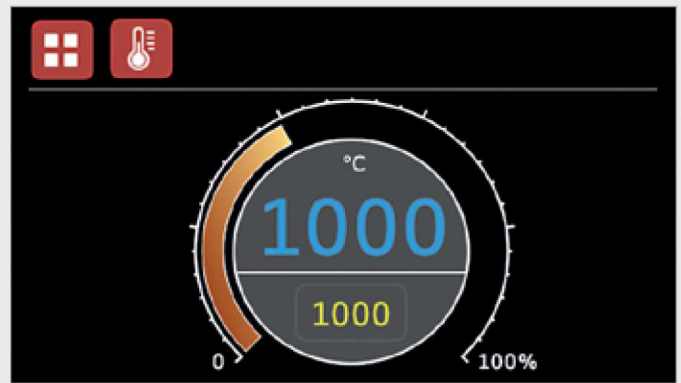
Navigation screen



The navigation screen gives easy access to all the CC-T1 functions.

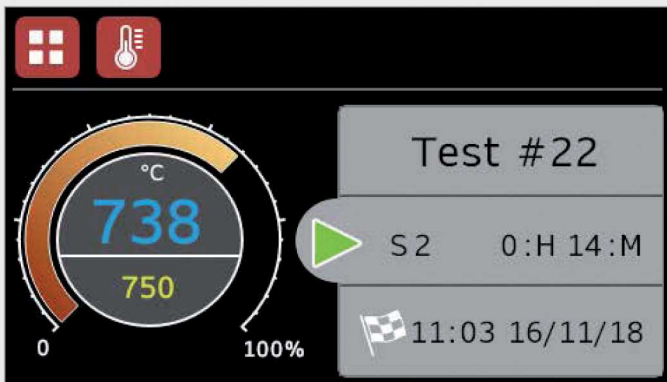
- 1) Home
- 2) Program view
- 3) User login
- 4) Data logging
- 5) Information
- 6) Communication settings
- 7) Settings
- 8) Offset calibration

Home screen single zone



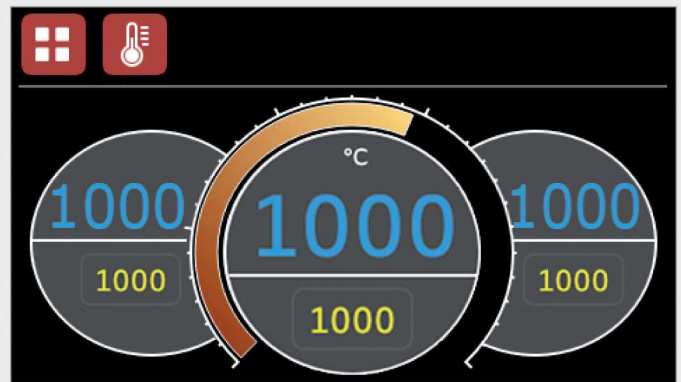
The home screen shows the setpoint, actual temperature and the heating power.

Home screen program running



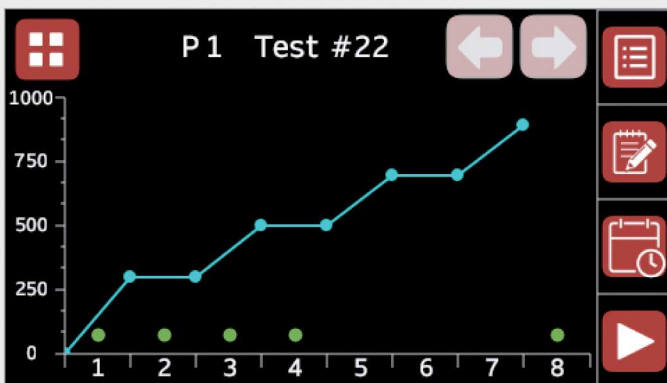
When a program is running the home screen shows a summary of the progress of the program. This includes: the program name; the current program segment and the time remaining in that segment; the end time and date of the program

Home screen 3-zone



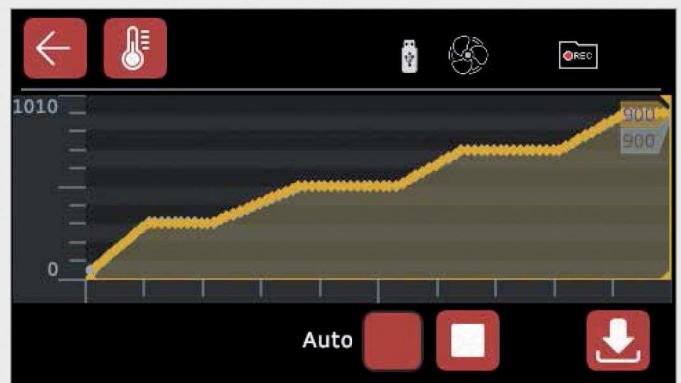
For a 3-zone product the home screen shows the setpoint and actual temperature of each zone. The user can select the end zones to either follow the centre zone temperature or run independently.

Program view screen



The program view screen shows a graphical summary of the selected program. It also give access to: Program selection; program creation and editing; scheduling a program to run at a specific time and date and running a program.

Data Logging Screen



The data logging screen shows a graphical view of the setpoint and actual temperature along with the status of any configured relays. Data is logged to a USB stick in a .csv file format. Data logging can be started manually or automatically when a program is run.