CARBOLITE®
a VERDER company

NEW



ARIESPLUS

EASY. PRECISION. CONTROL.

THE NEW TOUCH SCREEN CONTROLLER

Introducing the AriesPlus touch screen temperature controllers: designed for precision, they offer programmable control with up to 99 segments, configurable as ramp, step, or dwell, and can manage relay operations. These controllers provide exceptional temperature accuracy across a wide range through advanced multi-temperature tuning. They also feature process data logging to internal memory and allow for remote viewing on any browser without the need for software installation.

THE NEW TEMPERATURE CONTROLLER AriesPlus

INTUITIVE NAVIGATION AND MORE

The AriesPlus touch screen controllers offer programmable control in which 99 segments may be set as ramp, step or dwell and may also be configured to control relays.

The ARIES series provides a capacitive touch screen interface giving intuitive access to a comprehensive menu for selection and editing of program profiles; scheduling of programs at a defined day and time; data logging of setpoint and actual temperature; localization of language; user level security. The ARIES series can also store and retrieve 50 unique program profiles.

Data-logging is to internal memory which can be downloaded to the adjacent USB port or downloaded to a PC if connected on a network. Ethernet communication is fitted as a standard feature.

Connect to the AriesPlus controller using any computer browser (no software installation necessary) for:

- Remote viewing
- Login and navigate
- Create and edit programs
- Data-Logging download to PC

STANDARD FEATURES

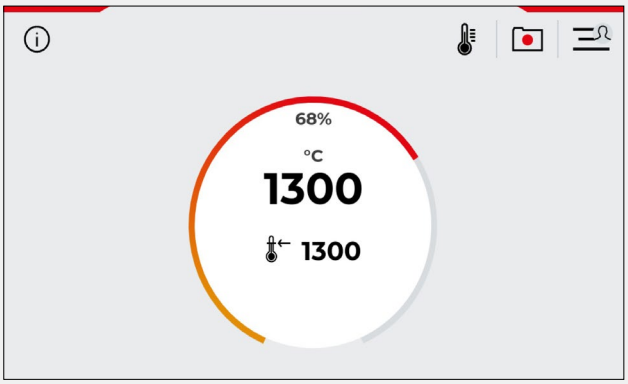
- 7.0'' colour capacitive touch screen
- Setpoint & program profile control
- Data logging to internal memory
- 7-day time scheduler
- Ethernet connectivity
- Remote connection via a browser
- Panel mounted USB socket
- User level security
- Settings including 9 languages

OPTIONAL FEATURES

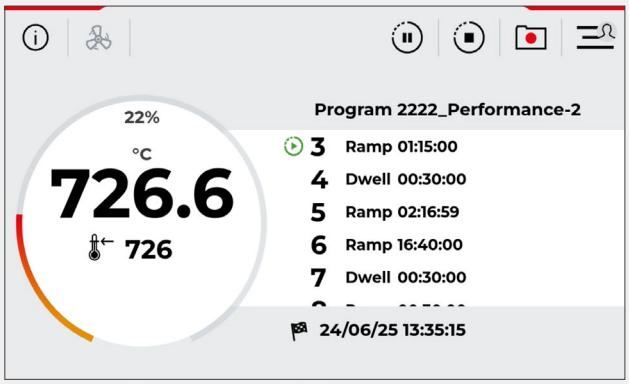
- Over-temperature control with clear alarm indication for unattended operation and valuable load protection
- Program segment events activate options like switching gas flow or starting cooling fans
- Alarm options enable door locking and process accuracy monitoring



SINGLE ZONE



Single-zone control with datalog recording icon display



Home screen with program running, showing the current segment and program end time & date

THE NEW TEMPERATURE CONTROLLER AriesPlus

THREE ZONE CONTROL

Three-zone control improves temperature distribution throughout a tube furnace by independently regulating the heating zones. This creates a uniform temperature profile across the working length - helping deliver consistent process conditions, reliable results, and better sample quality.

THREE ZONE CONTROL

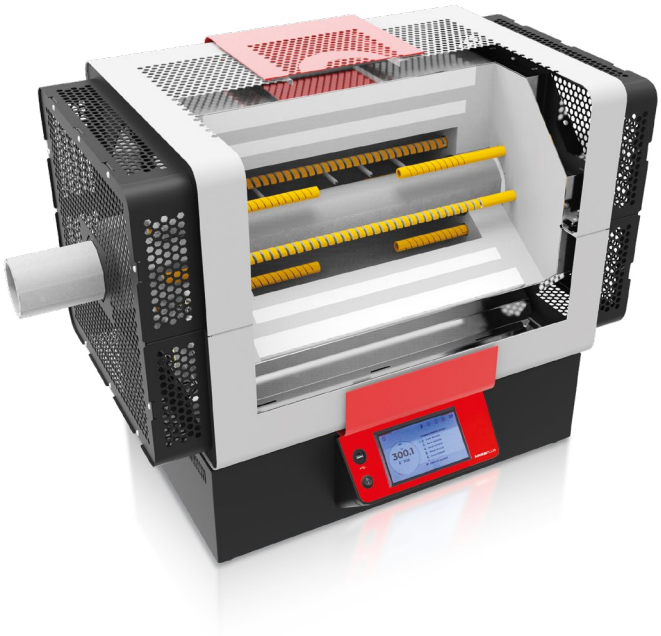
- This has the function in 3-zone tube furnaces of extending the length of the uniform heated zone.

INDEPENDENT CONTROL

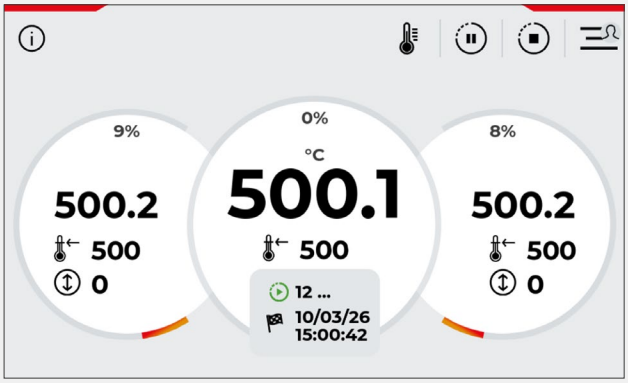
- This configuration comprises independent controllers, each with an independent thermocouple in its respective zone

RETRANSMISSION OF SET POINT

- This is the standard method of control for all Carbolite 3-zone furnaces. When the operator adjusts the setpoint of the centre zone controller, the setpoint of both end zones are automatically set to the same value. When a program is run in the centre zone all zones will automatically follow the program. Each controller has one thermocouple positioned with the tip close to the centre of each zone.



THREE ZONE



Three zone home screen with program running

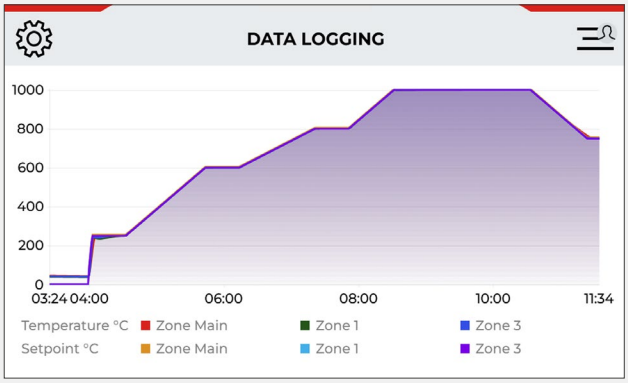
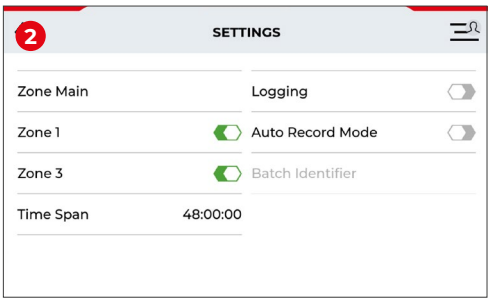


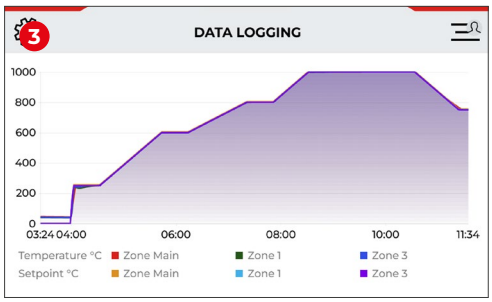
Chart view and data logging of all 3 zones

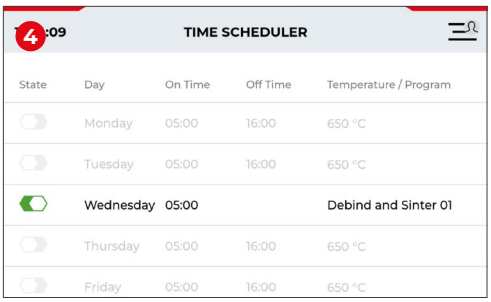
THE NEW TEMPERATURE CONTROLLER AriesPlus

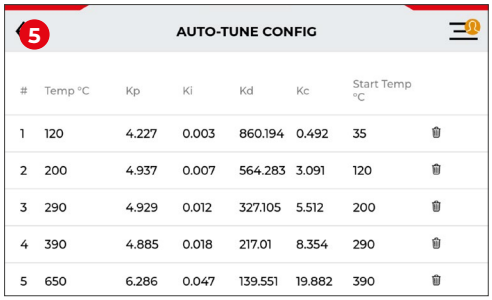
EVERYTHING UNDER CONTROL

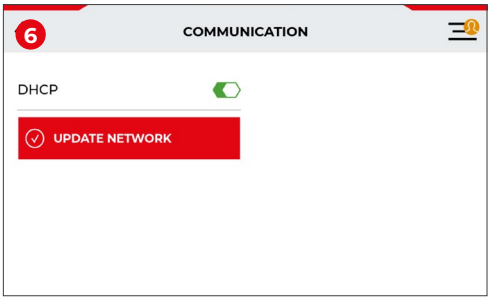












1 PROGRAMMING

Manage up to 50 programs with USB/PC import/export; features include duplicate, rename, favorite, and delete.

2 DATA LOGGING

Set logging rate from 10 seconds; features batch ID and auto-logging on program start.

3 LIVE PROCESS

View live process graphs for up to 48 hours with pinch zoom; download by batch or date/time range.

4 7 DAY TIME SCHEDULER

Schedule daily heating or program runs at specified times.

5 AUTOTUNE

Optimize for accurate operation across all temperatures; retune for specific processes.

6 REMOTE NETWORK CONNECTION

Ethernet-ready with DHCP or manual connection options.

LEADING HEAT TECHNOLOGY

CARBOLITE is a leading manufacturer of high temperature furnaces and ovens from 30 °C to 3000 °C. We are the technology leader in tube furnaces as well as vacuum and special atmosphere technology. With more than 80 years of experience in thermal engineering, CARBOLITE develops innovative solutions trusted by research laboratories, pilot plants and manufacturing sites around the world.

CARBOLITE products are defined by their superior energy efficiency as well as excellent reliability and use of high-quality components.

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