

## OUR SIMPLEST AND MOST ECONOMICAL HOT RUNNER TEMPERATURE CONTROLLER

The TempMaster-ME controller platform combines essential features with advanced APS Technology for precision hot runner temperature control. Powerful performance from a compact unit that helps improve part quality and minimize scrap. Optimize the performance of any hot runner system and unlock your operations full potential with TempMaster.

### KEY FEATURES

#### INTUITIVE TOUCH SCREEN COLOR DISPLAY

- Simple, user friendly interface.
- Allows for immediate familiarization.
- Monitor up to 12 zones at once.

#### INTEGRATED 15-AMP CONTROL CARDS

- Power to control a wide range of hot runner zones from nozzle tips to larger manifolds.
- On-board heater fuses.
- Quick and easy service access from the cabinet top and bottom.

#### COMPACT, STACKABLE CABINET DESIGN

- Preserves valuable space.
- Can be placed almost anywhere.
- Available in 6 or 12 zone configurations.
- Lightweight.

#### 2 YEAR COMPREHENSIVE WARRANTY

- Worry free global support coverage.
- Protects against manufacturers defects (fuses excluded).



Probe 1	Probe 2	Probe 3	Probe 4	
250	250	249	249	Run
250 °C	250 °C	250 °C	250 °C	Standby
1.0 A	1.1 A	1.2 A	1.3 A	Shutdn
249	249	250	250	Boost
250 °C	250 °C	250 °C	250 °C	Stop
1.4 A	1.5 A	1.6 A	1.7 A	
250	250	250	250	
250 °C	250 °C	250 °C	250 °C	
1.8 A	1.9 A	2.0 A	2.1 A	Tool
Mode RUN				Status NORMAL

Simple Touch Screen Controls

## CAPABILITIES

Control Features	Operational Features	Protection Features	Alarms
APS (Adaptive Process System)	Auto/Manual Control	On-Board Load Fuses	Audible Alarm
Phase Angle, Burst Firing	Zone "on", "off" and "locked off"	Soft Start	Zone Alarm Configure
Infield Calibration Mode	Menu "Auto Save"	Continuous Ground Fault Detection	(+) High Temperature
Thermocouple Slave (Manual)	Tool Store (4)	Current Measurement	(-) Low Temperature
Auto Standby/Alarm Output	USB Port	Overload Protection	T/C Open (remembered % output)
Wet Heater Bakeout	<b>Monitoring/Reporting</b>	Automatic Tool Diagnostics	T/C Reversed
T/C Filtering	2-D Historical Graph	LED Fault Indicator (Scan)	Open Fuse
Delta/Wye Convertible Option		Plastic Leak Detection (Manual)	Open Heater
Interface Autopilot Control			Shorted Heater/Wet
Set Point Limit			Ground Fault Detection
Set Power Limit			Plastic Leak Detection
Auto Load % Output			
Uniform Start-Up			

## SPECIFICATIONS

User Interface	Full Color LCD Touch Screen
Display Size	5"
Cabinet Dimensions	36cm x 39cm x 20cm (14" x 15" x 8")
# of Zones (Max)	6 or 12
Control Algorithm	APS (Adaptive Process System)
Power Control	Phase Angle & Burst Firing Modes (Time Proportional, Zero-Crossing)
Temp. Resolution	1 (°C or °F)
Power Response Time	8.3 ms at 60 Hz
Temperature Scale	°C or °F (Software Selectable)
Thermocouple	J or K-Type (Software Selectable)
Operating Range	0 - 472°C (32 - 882°F)
Output Voltage (Max)	264 VAC
Supply Voltage	200/240v 3P Delta or 380/440v 3P Star (480v, 3P with transformer)
Frequency	50 - 60 Hz Automatic Switching
Ambient Temperature Range	5 - 45°C (41 - 113°F)
Humidity Range	Up to 95% non-condensing
Ground Fault Detection	40mA per Zone
Alarm Output	Closing Contact Relay 5A, 230V (Max)
T/C Connector	HBE-24
Power Connector	HBE-24
Overload Protection	Semi-conductor fuses on both heater legs
Heater Fuses	15A @ 220V Super Fast Blow Type (FF)
Control Modes	Closed Loop (Auto), Open Loop (Manual), Standby, Boost, Slave
Ports	USB
LED Indicators	Scan
Languages	English, French, German, Spanish, Polish, Russian, Chinese, Japanese, Czech, Italian, Hungarian, Turkish, Portuguese, Korean



### INCLUDES:

- 4.8m (15') Cable Set
- Quick Start Guide

