

SMART SERIES® Mt2



PRECISION TEMPERATURE CONTROL FOR 2-ZONE HOT SPRUE APPLICATIONS

The MT platform combines essential features with advanced APS Technology for precision temperature control and essential protection features. 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 Smart Series.

KEY FEATURES

INTUITIVE TOUCH SCREEN COLOR DISPLAY

- Simple, user friendly interface
- Allows for immediate familiarization
- Monitor 2 zones at once
- Continuous display of % power and current

2 ZONE CONTROL CARD

On-board heater and thermocouple fuses

- Eliminates excess wiring and improves accessibility
- Servicing is quick and easy, minimizing downtime

COMPACT CABINET DESIGN

- Preserves valuable space
- Can be placed almost anywhere

DURABLE INDUSTRIAL DESIGN

- Metal enclosure and heavy duty connectors
- High reliability

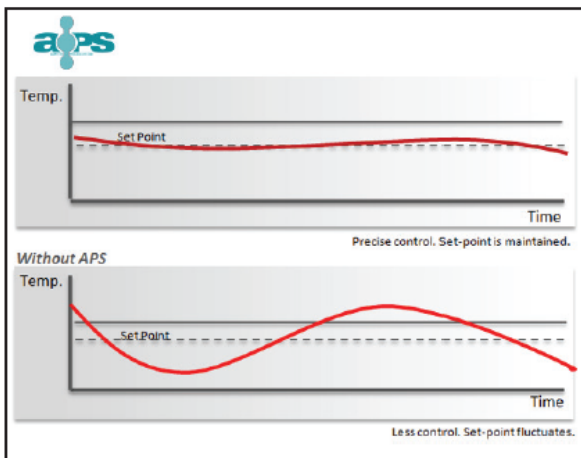
2 YEAR COMPREHENSIVE WARRANTY

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



View

- Temperature
- Set Point
- Current (A)
- Power %



SIMPLE TOUCH SCREEN CONTROLS



SMART SERIES[®] Mt2

SPECIFICATIONS

User Interface	Full Color LCD Touch Screen
Display Size	2" (51mm) - 176 x 200 pixels
Control Algorithm	36cm x 39cm x 20cm (14" x 15" x 8")
Power Control	Phase Angle & Burst Firing Modes (Time Proportional, Zero-Crossing)
Control Accuracy	+/- 0.5°C (1°F)
Display Resolution	1 (°C or °F)
Power Response Time	8.3 ms at 60 Hz
Temp. Resolution	1 (0°C or 0°F)
Temperature Scale	0°C or 0°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	240V Single Phase - 10' Power Cord Included
Frequency	50 - 60 Hz Automatic Switching
Ambient Temperature Range	5 - 450°C (41 - 113°F)
Humidity Range	Up to 95% non-condensing
Ground Fault Detection	40mA per Zone
Mold Power and Thermocouple Connection	10' Integrated Power and T/C Cable Mt2-15SS: HB10 Double Latch Mt2-10SS: (2) CKPTF1 Split Cable
Input Protection	63mA Nano Fuses on Both T/C legs
Overload Protection	Semi-conductor fuses on both heater legs
Heater Fuses	15A or 10A @ 220V Fast Blow Type
Control Modes	Closed Loop (Auto), Open Loop (Manual)
Languages	English, French, German, Chinese

CAPABILITIES

Control Features
APS (Adaptive Process System)
Phase Angle, Burst Firing
Infield Calibration Mode
Thermocouple Slave (Manual)
T/C Auto/Man Kick-Off
Wet Heater Break-out
T/C Filtering

Operational Features
Auto/Manual Control
Zone "on", "off"
Menu "Auto Save"
Boost/Standby (Manual)

Protection Features
On-Board Load Fuses
On-Board T/C Fuses
Soft Start
Continuous Ground Fault Detection
Current Measurement
Overload Protection
Short Circuit Protection

Alarms
Zone Alarm Configure
(+) High Temperature
(-) Low Temperature
T/C Open (remembered % output)
T/C Reversed
Open Fuse
Open Heater
Shorted Heater/Wet
Ground Fault Detection



Equatemp[®] MD-series
Dual-Zone Hot Sprue
Bushing



Item No.: Mt2-15SS
15A B10 Mold End Connector



Item No.: MTPTC215 Mold Connector
Uses MTC5TBG Mold Terminal Box



Item No.: Mt2-10SS
10A (2) CKPTF1 Mold End Connectors



Item No.: MPTC210CP
Adapter Cable
B10 to (2) CKPTF1 Mold End Connectors
Requires controller fuse change to 10A
(10 amp fuses supplied with cable)



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