



Multi-Channel programmable controller TEMP200 3CH / 5CH / 7CH **SERIES**







Product Feature



Excellent screen quality

- 640*480 high resolution, 256K color TFT- LCD application
- Selection of diverse size 5.7" / 7.5"

Easy and convenient touch method

Convenient product control and setting using touch screen interface

Selection of channel for system

Control of 3 channel / 5 channel /7 channel and selection of recording

Available for constitution of the user customized operation screen

Available for making drawing in operation screen depending on the user needs (Option)

Multi language support

Diversified support of language in Korea, English, Chinese and Japanese

High precision control

- ± 0.1% Precision control through input 18 bits A/D converter (0.01°C resolving power)
- = \pm 0.3% analog output through output 14 bits D/A converter

PC software support in free of charge

- PC monitoring program
- Conversion into Excel or TEXT file

Main function



Diverse control method in sub channel Available for independent control and sync control

Available for setting the individual operation calibration data in sub channel during sync operation



Total 6 channel digital recording

Real time monitoring and data saving for the present data of main channel, setting data and the present data of output quantity and sub channel



SD memory card support

Data storing into the SD memory card and available for up/down of the set parameter



Program operation

40 pattern, 600 segment, 999H, 59M, 59S setting Available for operation of program of sub channel synchronized with main channel



Individual PID Control Main channel 6 PID

Sub channel 1 PID/channel



Digital output 32 point

error sensing using 16 point DI input signal

Digital input 16 point



Available for operation/stop, hold/step, pattern selection and

Change of error name and supporting of DO output for DI input



Operation time management Display of the operation starting time,

estimated termination time and operation time up to now



Supporting the heater short (12A, 50A and 100A)

Display by measuring the current flowing in the heater and available for short alarm output Use of 800:1 CT



Input data calibration function

Available for entire calibration of overall application and range calibration of sectional application Main channel 8 point, sub channel 6 point/ Channel

Diversified screen configuration depending on channel

3,5,7 channel screen



3 channel program operation

Display of diverse information



5 channel stationary operation

FIX OPERATION RU ← → HOLD STEP 50.0 300.0 4 +

Change the tag name for user



7 channel program operation

Recorder screen





Independent control

It is a type for synchronizing the operation state on the main channel and sub channel and individual setting of data (SP) is available.
Application system: Multi channel complex chamber, reliability test equipment, semiconductor equipment and ageing chamber and etc



Sync Control

- It is an operating method of synchronizing the operation state and setting value (SP) of main channel with sub channel.₩
- Application system: Electric furnace, continuous furnace and ripple lower



Product Specification

Group	ltem	TEMP2500M	TEMP2700M	TEMP2000M	
	Display	5.7" TFT-LCD	7.5" TFT-LCD	-	
Screen	Resolution	640(W) × 480(H)		-	
	Language	Korean, English, Chinese / Korean, English, Japanese		-	
	User screen	Change of initial screen, Electr	-		
	Mount type	Panel mount, VESA mount(M	-		
	Operation screen	Basic screen, available for making drawing which meets customer needs(Option)		-	
Control channel	Main channel	1 channel		-	
Control charmer	Sub channel	-		Selection of 2/4/6 channel	
Analog input	Input quantity	1point(Universal input)	2/4/6point(Universal input)		
		TC K, J, E, T, R, B, S, L, N, U, W, Platinel II , C			
	Sensor type	RTD Pt100(IEC), Jpt	100(JIS), 1/100 Displayable		
			0~10V, -10~20mV, 0~100mV		
		$(4\sim20$ mV, $0\sim20$ mV, External resistance 250 Ω , 500 Ω Attach) Scale : -1999 ~ 30000			
	Sampling period	250ms/Channel			
	Input accuracy	±0.1% of full scale ±1 digit			
	Output specification	Voltage output(SSR) 2points	ON voltage : 15V DC		
Analog output	(Max, 2point)		(Load resistance : Min 600Ω/pulse width : Min 5ms)	1point/Channel	
		Current output(SSR) 2points 4~20mA DC(Load resistance: Max. 600Ω)			
	Output type	Control output/Transmission	Control output		
Digital input	Contact point specification	Basic 16points(Contact point capacity : Max. 12V DC, 10mA) Selection of operation for A or B point			
Digital iliput	Contact point function	Run/Stop/Hold/Step, selectable run patterns, set DI detect delay time, select DI error monitor(text or picture)			
Digital output	Contact point quantity	Basic 12points(A contact point relay 8points + C contact point relay 4points), Option(A contact point relay 20points) addition function			
	Contact point specification	Normal open(Max. 30V DC/1A, 250V AC/1A), Normal close(Max. 30V DC/1A, 250V AC/1A)			
		Alarm signal			
	Signal type	Time signal (8points) DI signal (16point	s) Sensor open signal(1point) Hba signal(1point) Ref signal(2points)	(2points/channel)	
	Signal type	Alarm signal(4points) Manual signal(16p	oints) Wait signal(1point) Up· Soak· Down signal(each 1point)	Heat break alarm signal	
		Seg alarm signal (4points) Run signal (1point	;) Fix timer signal(1point) Fix Programmable end signal(each 1point)	(1point/Channel)	
Heater current	Туре	12A, 50A, 100A			
detection	CT sensor/Accuracy	800:1/±3% of full scale ±1 dig	it		
Program	Pattern/Segment	40 pattern/600 segments		-	
	Segment time	Max, 999hours 59minutes 59seconds		-	
	Function	Up/Down slope rate, Wait, Operating start code, Pattern name, Power stop mode, PT end mode		-	
	Repetition	Pattern/Segment repeat operation		-	
PID control	PID groups	6 PID groups(5 Zone PID group	s + 1 Deviation PID group or 6 Seg PID groups)	1 PID group/channel	
	Storage media	SD/SDHC card(FAT32 format)			
Data back-up	Logging function	Program pattern/Parameter set data backup and recovery, available for sectional saving max, 6points out of main channel and sub channel PV			
Communication	Interface	Basic : Flexible to change between RS485/RS232C by DIP switch, Max. 31 nodes. Max. 115,200 bps, Option : Ethernet(TCP/IP) *In case of selection of ethernet. RS232C/485 is not available			
	Rated voltage	24V DC 22VA Max.			
Power	Lithium battery	For setup data retention(CR20	32)		
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External dimension and Panel cutting size



		(Unit : mm)
А	144	203
В	144	180
С	6.2	6.8
D	33.5	38.2
E	137.5	173
F	137.5	196
G	156	192
Н	75	75
Panel C	utting size : E, F	(Tolerance:0

Control part :: I/O Board 1/0.2 I/O 1 Main unit Sub unit



🎝 Model code



388, Songnae-daero, Bucheon-si, Gyeonggi-do, Republic of Korea T +82-32-326-9120 F +82-32-326-9119 E webmaster@samwontech.com/sales@samwontech.com