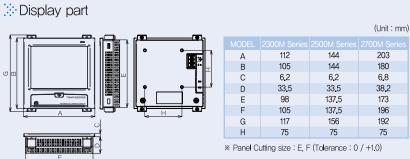
110446	t Specifica	CIOTI				
Classification	Specified item	TEMP2300M	TEMP2500M	TEMP2700M	TEMP2000M	
Screen	Display	3,7" TFT-LCD	5,7" TFT-LCD	7,5" TFT-LCD		
	Resolution	640(W) × 480(H)				
	Language	Korean/English/Chinese, Korean/English/Japanese				
	User screen	Change of initial screen, Electronic album function				
	Mount type	Panel mount, VESA mount				
	Operation screen	Basic screen, available for making drawing which meets customer needs (Option)				
Control channel	Main channel	1 channel				
	Sub channel				Selection of 2/4/6 channel	
Analog input	Input quantity	1 (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(JS/IEC), JPt100(JS)				
		DC Voltage 0,	4~2V. 1~5V. 0~10V. −10~20mV. C	0~100mV(4~20mV, 0~20mV, Ex	ternal Resistance 250Ω, 500Ω Attach)	
	Sampling period	250ms/channel				
	Input level	±0,1% ± digit of full scale				
Analog output	Output specification	Voltage output (SSR) 2 point ON voltage : 15V DC (Load resistance:Min 600Ω /pulse width: Min 5ms) Current output (SSR) 2 point $4\sim$ 20ma DC (Load resistance: Max 600Ω)			1 point/Channel	
	(Max 2 point)					
	Output type	Control output/Transmitting output(PV.SP)/Sub output			Control output	
Digital input	Contact point specification	Basic 16 point (Contact point capacity: Max 12V DC, 10mA) A contact point or B contact point operation selection				
	Contact point function	Operation and stop/hold/step, selection of pattern for operation, DI sensing delay time setting, selection of DI error screen (Display of error message or user setting photo)				
Digital output	Contact point quantity	Basic 12 point Contact point relay 8 point +C contact point relay 4 point), Option (A contact point relay 20 point) addition function				
	Contact point specification	Normal Open(Max, 30VDC/1A, 250VAC/1A), Normal Close(Max, 30VDC/1A, 250VAC/1A)				
	Output type	Inner(8point) ON/OF	F(7point) Arithmetic(3point) Error((1point) user(1point)		
		Time(8point) DI sign	al(16point) Sensor short(1point) heate	er short alarm(1point) freezer(2point)	Alarm (2point/channel)	
		Alarm(4point) manual(16point) Standby(1point Ascending Stop descending (each1point Heat short alarm (1 point/channel			Heat short alarm (1 point/channel)	
		Seg alarm(4point) Operation(1point) Stationary timer(1point) Stationary, program terminatio(each1point)				
Heater current	Type	12A, 50A, 100A				
detection	CT sensor	800:1				
Program	Pattern/Seg Q'ty	40 pattern/600 segment				
	Segment set time	Max 999H 59M 59S				
	Function	Ascending/Descending change ratio, standby operation, Operation start condition, Input pattern name, recovery mode after blackout, operation at pattern termination				
	Repetition	Entire repetition and range repetition				
PID control	PID group/type	Total 6 group (Range PID 5/ Deviation PID 1 or Seg PID 6				
Data backup	Storage media	SD/SDHC Card (FAT 32 format)				
	Function	Program pattern/Parameter set data backup and recovery, available for sectional saving max 6 point out of main channel and sub channel PV				

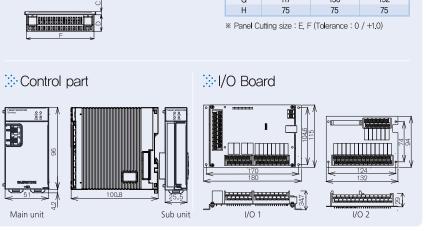
Communication Spec Basic: RS232C/485 selection, available for connection of maximum 31 units, communication speed: Max 115,200 bps, Option: Ethemet(TCP/IP) *Ethernet selection RS232C/485 unserviceability



External dimension and Panel cutting size

Electric source Electric source/Lithium cell 24VDC 25VA Max/ Keeping the setting data (CR2032)







TEMP2*00M-0*/*/*/*

- Display LCD size 3:3.7lnch | 5:5.7lnch | 7:7.5lnch
- I/O board 0: I/O1 (Relay12Point) | 1: I/O1,2 (Relay32Point)
- SD Card N: None | SD: SD Card
- Communication option RS: RS232C/485 (ST'D) | CE: Ethernet
- Heater short option N:None | A:50A | B:100A | C:12A
- Sub channel CH2:2 channels | CH4:4 channels | CH6:6 channels

TEMP2000M/*/*

- Heater short option (Input 1) N: None | A: 50A | B: 100A | C: 12A
- Heater short option (Input 2)





Multi-Channel programmable controller

TEMP 2001 3CH / 5CH / 7CH SERIES

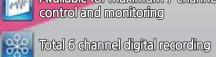


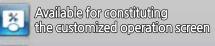


Various control methods of

SD memory card support

serve channel













Product Feature



Excellent screen quality

- 640*480 high resolution, 256K color TFT- LCD application
- Selection of diverse size 3,7" / 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)
- ± 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 input 16 point

Available for operation/stop, hold/step, pattern selection and error sensing using 16 point DI input signal Change of error name and supporting of DO output for DI input



Digital output 32 point

Available for using 72 types of DO signal in main channel and maximum 18 types of DO signal as contact point output



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



Input data calibration function

Use of 800:1 CT

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



■ Change the tag name for user



3 channel program operation



5 channel stationary operation



7 channel program operation



Recorder screen

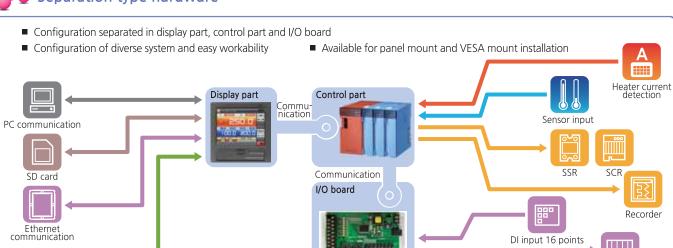
Technology of Thinking about User



DO output 32 points



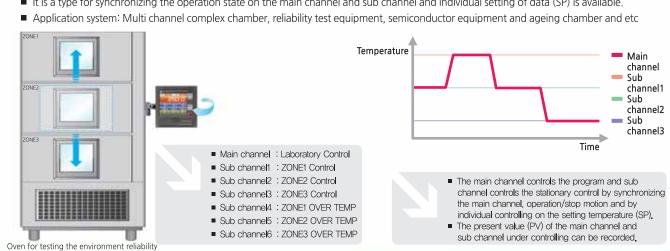
Separation type hardware





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.





Sync Control

■ It is an operating method of synchronizing the operation state and setting value (SP) of main channel with sub channel.₩

