

New Product



2019 FUJI KEIZAI SURVEY

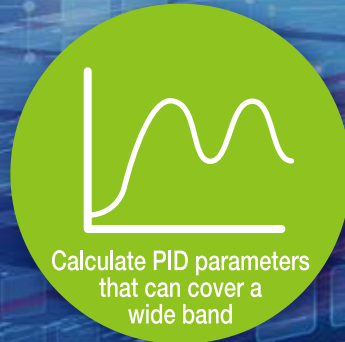
IDEAL FOR RAPID HEATING CONTROL, FLOW CONTROL, PRESSURE CONTROL, AND PHYSICS & CHEMISTRY EQUIPMENT

ULTRA-HIGH-SPEED SAMPLING **10^m sec** (0.01seconds)

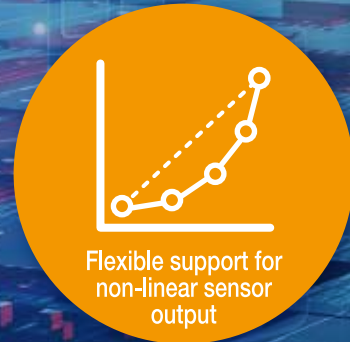
ULTRA-HIGH-SPEED SAMPLING
(SELECTABLE TYPE)



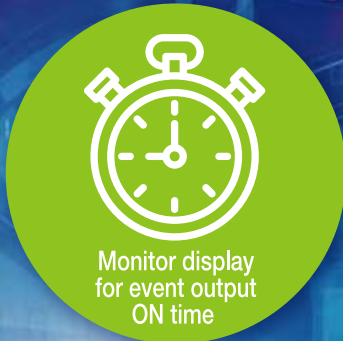
NEW METHOD AUTO TUNING



HIGHEST NO. OF POINT CORRECTION IN THE INDUSTRY (16 POINTS)



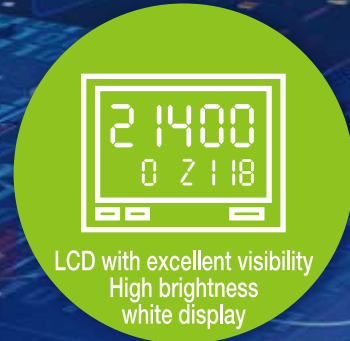
EVENT OUTPUT COUNTER



SIMPLIFIED PROGRAM CONTROL FUNCTION



LIQUID CRYSTAL DISPLAY



2022 NEW DESIGN

TURNING CUSTOMER FEEDBACK INTO A FORM
60 YEARS OF EXPERIENCE AND ACHIEVEMENTS

CHALLENGE THE CREATION



HIGH-PERFORMANCE DIGITAL CONTROLLER

TTM-214-Z118

Thermocouple / RTD model

TTM-214-Z119

Voltage / Current model

 **TOHO** TOHO ELECTRONICS INC.



10msec (0.01seconds)

INDUSTRY-LEADING SAMPLING CYCLE

Ideal for high-speed change processes such as rapid heating, flow rate, and pressure. The sampling period can be selected according to the object of control. (10 msec, 20 msec, 50 msec, 100 msec, 200 msec, 500 msec)



HIGHEST NO. OF POINT CORRECTION IN THE INDUSTRY (16 POINTS)

FLEXIBLE SUPPORT FOR A NON-LINEAR SENSOR OUTPUT

The sensor input correction function can be set up to 16 points, which is the largest number of points in the industry. Flexible support for non-linear sensor outputs where the relationship between the input signal of medical and physics & chemistry equipment and the value you want to measure is not linear.

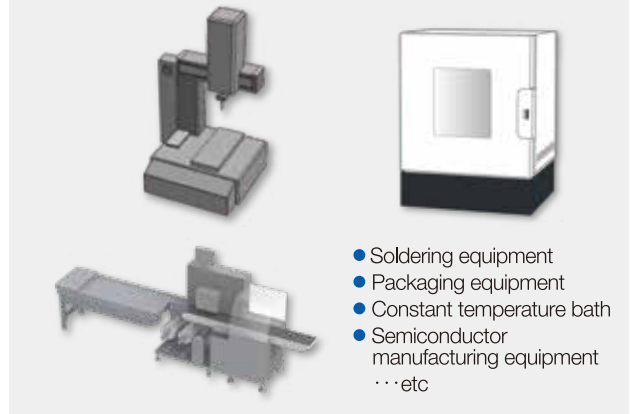


EVENT OUTPUT COUNTER

GRASP THE STATUS OF FATAL ABNORMALITIES

Visualize the elapsed time since the event has occurred. You can use it to check the time of occurrence while the event is ongoing, and to check the staying time in the event occurrence area after recovery. Even if you miss an important event alert, it is effective for grasping the situation that had occurred.

OPTIMAL UTILIZATION SCENE



- Soldering equipment
- Packaging equipment
- Constant temperature bath
- Semiconductor manufacturing equipment
- ...etc



VARIOUS CUSTOM SUPPORT IS AVAILABLE FOR THE CUSTOMER'S DEDICATED DIGITAL CONTROLLER

- Panel sheet design change
- Software customization
- Moisture proofing
- Parameter setting at the time of delivery
- ...etc.

USEFUL FUNCTIONS

1 BANK FUNCTION

- Stores up to 8 patterns of parameters (Max. 16 types of parameters per pattern)
- Efficiently change parameters according to the controlled object

2 BLIND FUNCTION

- Blind function can be set for all parameters
- Simple operability can be constructed with the minimum required parameters

3 PARAMETER BACKUP FUNCTION

- Memorize user-specific initial value parameters
- Smooth initialization is possible even after complicated setting changes

4 SIMPLIFIED PROGRAM CONTROL FUNCTION

- Program operation of up to 8 steps is possible
- Ideal for simple program operation

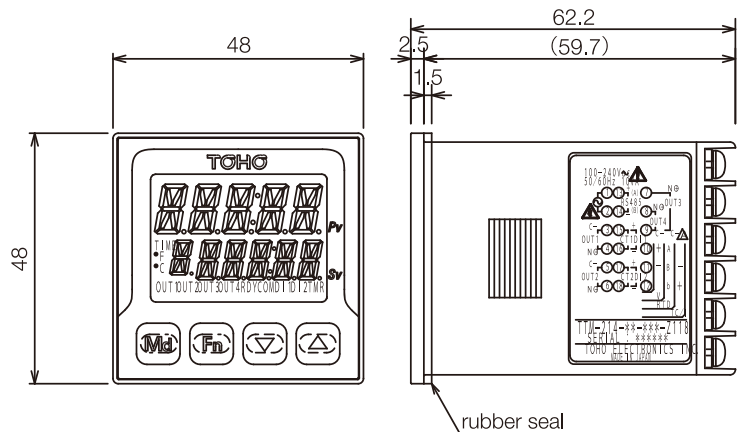
MODEL SELECTION

TTM-214-□□-□□□□-□
①② ③④⑤ ⑥

Symbol	Item	Contents		
①	Output1	N	None	
		R	Relay contact	
		P	SSR drive voltage	
		A	Open collector	
		I	Current 4 to 20mA DC	
②	Output2	N	None	
		R	Relay contact	
		P	SSR drive voltage	
		A	Open collector	
		I	Current 4 to 20mA DC	
③	Output3,4	R	Relay contact	Common
		A	Open collector	Common
④	Option	ST	2 CT inputs	
		SV	CT input, DI	
		UV	2 DIs	
⑤	Option	M	Communication (RS-485)	
⑥	Input	Z118	Thermocouple / RTD	
		Z119	Voltage / Current	

※CT cannot be selected if the output is only analog output.
 ※Power supply voltage: 100 to 240 V AC free power supply (24V AC / DC under development)

EXTERNAL DIMENSIONS



QMS EMS
JIS Q 9001
JIS Q 14001
JSA0097, JSAE1356



MS
CM001

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● Specifications are subject to change without notice.
 Note: The color printed in this catalog may be different from actual color.

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