T4WM Series

5-CH Temperature Indicator

▣ Features

● Indication type only
● High accuracy measurement: F.S. ±0.5%
● 5-Point temperature measurement
● Automatic or manual display of temperature in each point

⚠ **Please read "Caution for your safety" in operation manual before using.**

▣ Ordering Information

| T | 4 | W | M | — | N | 3 | N | P | 4 | C |

	Unit	
		C	℃
	Temperature range	0	-99.9 to 199.9
		4	0 to 399
		5	0 to 500
		C	0 to 1200
	Sensor input type	P	DPt100Ω
		J	J(IC)
		K	K(CA)
	Control output	N	No output
	Power supply	3	110/220VAC 50/60Hz
	Control method	N	No control
	Input	M	5-Point Indicator
	Size	W	DIN W96×H48mm
	Digit	4	9999 (4-digit)
	Item	T	Temperature Controller

※ **Please check the range of temperature when select model.**

▣ Temperature Range For Each Sensor

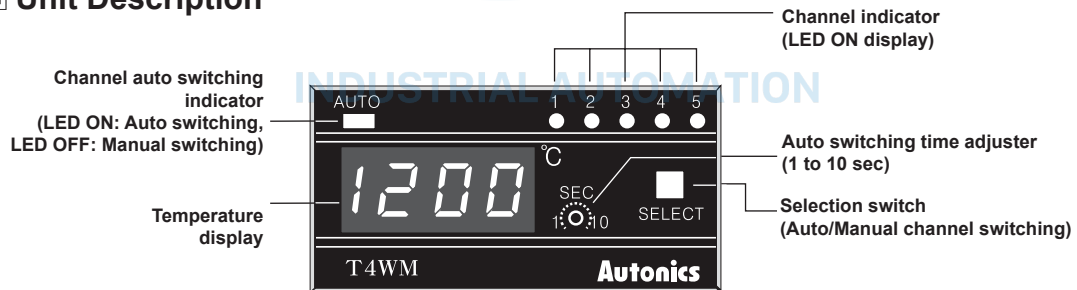| Model	T4WM		
Sensor input type	Thermocouples		RTD
	J(IC)	K(CA)	DPt100Ω
Standard scale range	500℃	1200℃	199.9℃ / 399℃ / -99.9℃
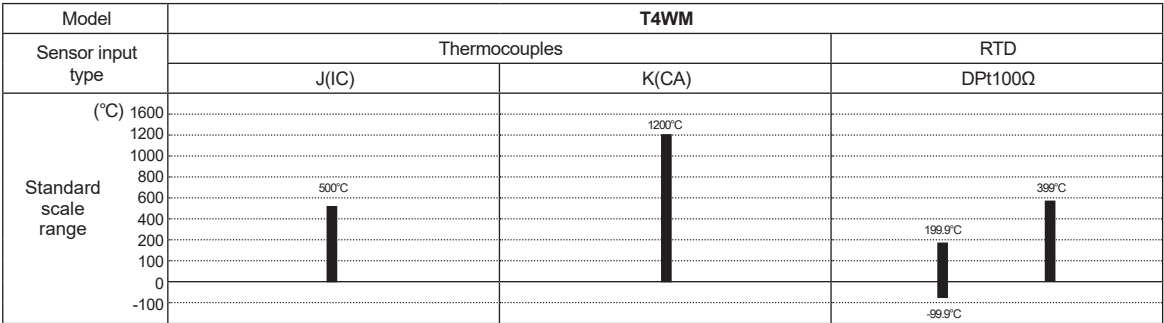
Specifications

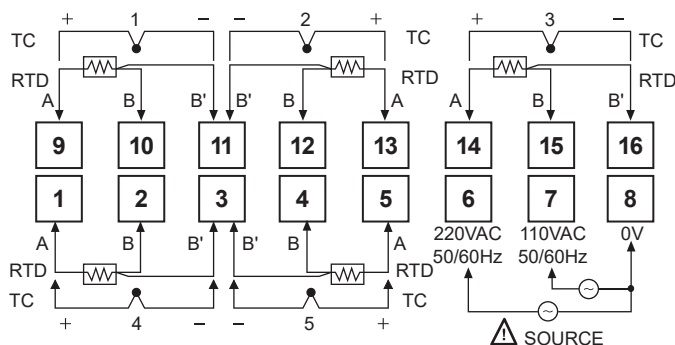| Series	T4WM	
Power supply	110/220VAC 50/60Hz	
Allowable voltage range	90 to 110% of rated voltage	
Power consumption	Max. 3VA	
Display method	7-segment LED method	
Character size (W×H)	9.8×14.2mm	
Display accuracy	F.S. ±0.5% rdg ±1-digit	
Input sensor	Thermocouples: K(CA), J(IC) / RTD: DPt100Ω	
Input line resistance	Thermocouples: Max. 100Ω / RTD: Allowable line resistance max. 5Ω per a wire	
Connectable sensors	5 (thermocouple, RTD are not used as mixed)	
Channel switch	Selectable Auto/Manual switching	
Auto switching time	Variable 1 to 10 sec (by built-in adjuster)	
Insulation resistance	Over 100MΩ (at 500VDC megger)	
Dielectric strength	2,000VAC 50/60Hz for 1 min	
Noise immunity	±1kV the square wave noise (pulse width: 1μs) by the noise simulator	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 1 hour
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 10 min
Shock	Mechanical	300m/s² (approx. 30G) in each X, Y, Z direction for 3 times
	Malfunction	100m/s² (approx. 10G) in each X, Y, Z direction for 3 times
Environ-ment	Ambient temperature	-10 to 50℃, storage:-25 to 65℃
	Ambient humidity	35 to 85%RH
Unit weight	Approx. 322g	

※Environment resistance is rated at no freezing or condensation.
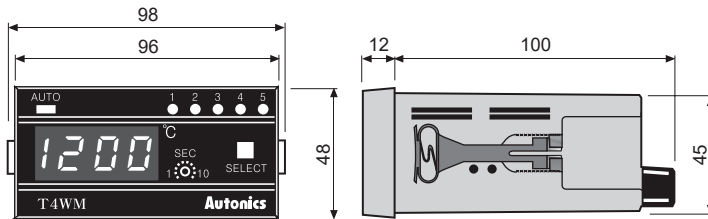
Unit Description

Connections

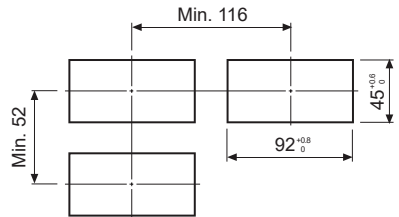※RTD: DPt100Ω (3-wire type)　※Thermocouple: K(CA), J(IC)

◧ Dimensions

(unit: mm)

● Panel cut-out

◧ Channel Switching

◎ Auto/Manual channel switching

| Auto switching	Select switch	Manual swithcing
When pressing this for 3 sec and the channel auto switching indicator turns ON and channels switch automatically. (AUTO LED: ON)	SELECT	When press this once, the channel indicator turns ON and channels switch manually (AUTO LED: OFF)

◎ Auto channel switching

● The temperature of each channel is displayed during auto switching time and switching to the next channel automatically.

● Auto switching time is variable up to 10 sec by the front adjuster.

● When it is auto channel switching, the channel auto switching indicator turns ON.

◎ Manual channel switching

Whenever touching selection switch (SELECT), channel switches.

When a channel indicator turns ON, the temperature of the channel is displayed and whenever touching the switch, it moves to next channel.
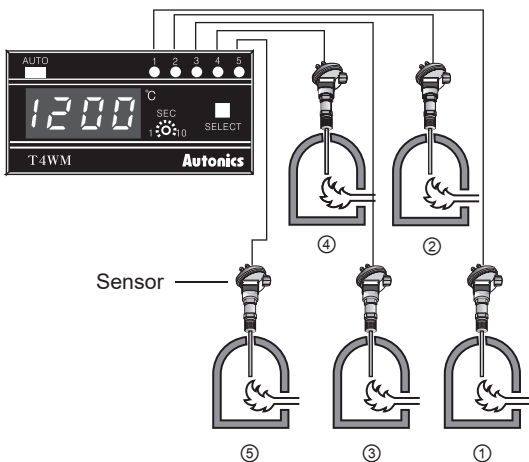
◧ Selection Of Input Sensor Number By Internal DIP Switch

Max. 5 different sensors can be connected but do not use thermocouple and RTD together.

◧ Memory Protection

When the power fails, the data value will be protected for 3 months. (The battery must be charged fully.)