

5-Channel Digital Temperature Indicators



T4WM Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Digital temperature indicators
- High accuracy measurement and display : ±0.5%
- 5-channel temperature display
- Auto/manual channel switching

Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website .

T 4 W M - N 3 N ① ② C

① Input sensor

P: DPT100 Ω
J: J (IC)
K: K (CA)

② Using temperature Range

0: -99.9 to 199.9
4: 0 to 399
5: 0 to 500
C: 0 to 1,200

Product Components

- Product
- Instruction manual
- Bracket ×2

Specifications

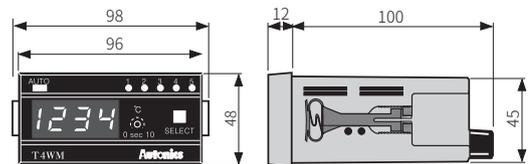
Series	T4WM Series	
Power supply	110 / 220 VAC ~ 50/60 Hz	
Power consumption	≤ 3 VA	
Input specification	Thermocouple	DPT100 Ω (Allowable line resistance per a wire: ≤ 5 Ω)
	RTD	K (CA), J (IC) (Input line resistance: ≤ 100 Ω)
Display accuracy	F.S. ±0.5% rdg ±1digit	
Display type	7 Segment (red), LED type	
Connectible sensors	5 (Thermocouple, RTD are not used as mixed)	
Channel switching	Auto / Manual selection	
Auto switching time	1 to 10 sec (Volume switch)	
Dielectric strength	Between input terminal and power terminal: 2,000 VAC ~ 50/60 Hz for 1 min	
Vibration	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour	
Malfunction vibration	0.5 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min	
Shock	300 m/s ² (≈ 30 G) in each X, Y, Z direction for 3 times	
Malfunction shock	100 m/s ² (≈ 10 G) in each X, Y, Z direction for 3 times	
Insulation resistance	≥ 100 MΩ (500 VDC = megger)	
Noise immunity	±1 kV square shaped noise (pulse width 1 μs) by noise simulator	
Memory retention	≈ 3 month (full charged)	
Ambient temperature	-10 to 50 °C, storage: -25 to 65 °C (no freezing or condensation)	
Ambient humidity	35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)	
Approval	EAC	
Body weight	≈ 322 g	

Input Type and Using Range

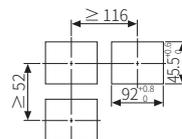
Input type	Display	Using range (°C)
Thermocouple	K (CA)	0 to 1,200
	J (IC)	0 to 500
RTD	DPT100 Ω	-99.9 to 199.9
		0 to 399

Dimensions

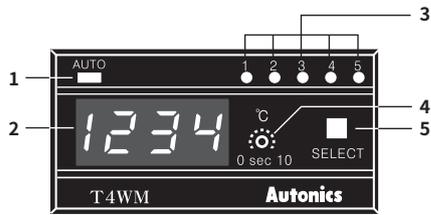
• Unit: mm, For the detailed drawings, follow the Autonics website.



Panel cut-out



Unit Descriptions



- | | |
|---|---|
| 1. Channel auto switching indicator [AUTO]
Turns ON during auto channel switching | 4. Auto switching time control volume
Setting range: 1 to 10 sec |
| 2. PV display part | 5. Channel switching selection key [SELECT]
Refer to 'Channel Switching'. |
| 3. Channel indicator
Turns ON the number which is displayed on PV display part | |