

# Data sheet

Display method	4-digit 11-segment LCD
Control method	ON/OFF, P, PI, PD, PID
Input specification	Thermocouple: K(CA), J(IC), T(CC), R(PR), S(PR), L(IC) RTD: DPT100Ω, Cu50Ω
Sampling cycle	50ms
Control output	Relay (250VAC~ 3A, 30VDC --- 3A)
Option output	Alarm 1/2
Power supply	100-240VAC~ 50/60Hz
Protection structure	IP50(front panel)
Display accuracy_ RTD	<ul style="list-style-type: none"> <li>▪At room temperature(23°C±5°C):(PV ±0.3% or ±1°C, select the higher one) ±1-digit</li> <li>▪Out of room temperature:(PV ±0.5% or ±2°C, select the higher one) ±1-digit</li> </ul>
Display accuracy_ Thermocouple	<ul style="list-style-type: none"> <li>▪At room temperature(23°C±5°C):(PV ±0.3% or ±1°C, select the higher one) ±1-digit</li> <li>▪Out of room temperature:(PV ±0.5% or ±2°C, select the higher one) ±1-digit</li> </ul>
Hysteresis(adjustable sensitivity)	1 to 100°C/°F(0.1 to 50.0°C/°F) variable
Proportional band	0.1 to 999.9°C/°F
Integral time	0 to 9999 sec
Derivative time	0 to 9999 sec
Control period	0.5 to 120.0 sec
Manual reset	0.0 to 100.0%
Environment_ Ambient temperature	-10 to 50°C, storage: -20 to 60°C
Environment_ Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Insulation type	Double insulation (mark:  , dielectric strength between primary circuit and secondary circuit: 3kV)
Weight	Approx. 146.1g(approx. 86.7g)

※When using the unit at low temperature (below 0°C), display cycle is slow. Control output operates normally.

※◎ At room temperature(23°C±5°C)

TC R(PR), S(PR), below 200°C: (PV ±0.5% or ±3°C, select the higher one) ±1-digit, over 200°C: (PV ±0.5% or ±2°C, select the higher one) ±1-digit

TC L(IC), RTD Cu50Ω: (PV ±0.5% or ±2°C, select the higher one) ±1-digit

◎ Out of room temperature range

TC R(PR), S(PR): (PV ±1.0% or ±5°C, select the higher one) ±1-digit

TC L(IC), RTD Cu50Ω: (PV ±0.5% or ±3°C, select the higher one) ±1-digit

※The weight includes packaging. The weight in parenthesis is for unit only.

※Environment resistance is rated at no freezing or condensation.