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	▪At room temperature(23℃±5℃):(PV ±0.3% or ±1℃, select the higher one) ±1-digit ▪Out of room temperature:(PV ±0.5% or ±2℃, select the higher one) ±1-digit
Display accuracy_Thermocouple	▪At room temperature(23℃±5℃):(PV ±0.3% or ±1℃, select the higher one) ±1-digit ▪Out of room temperature:(PV ±0.5% or ±2℃, select the higher one) ±1-digit
Hysteresis (adjustable sensitivity)	1 to 100℃/℉(0.1 to 50.0℃/℉) variable
Proportional band	0.1 to 999.9℃/℉
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℃, storage: -20 to 60℃
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℃), display cycle is slow. Control output operates normally.
※◎ At room temperature(23℃±5℃)
TC R(PR), S(PR) , below 200℃: (PV ±0.5% or ±3℃, select the higher one) ±1-digit, over 200℃: (PV ±0.5% or ±2℃, select the higher one) ±1-digit
TC L(IC), RTD Cu50Ω: (PV ±0.5% or ±2℃, select the higher one) ±1-digit
◎ Out of room temperature range
TC R(PR), S(PR): (PV ±1.0% or ±5℃, select the higher one) ±1-digit
TC L(IC), RTD Cu50Ω: (PV ±0.5% or ±3℃, 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.