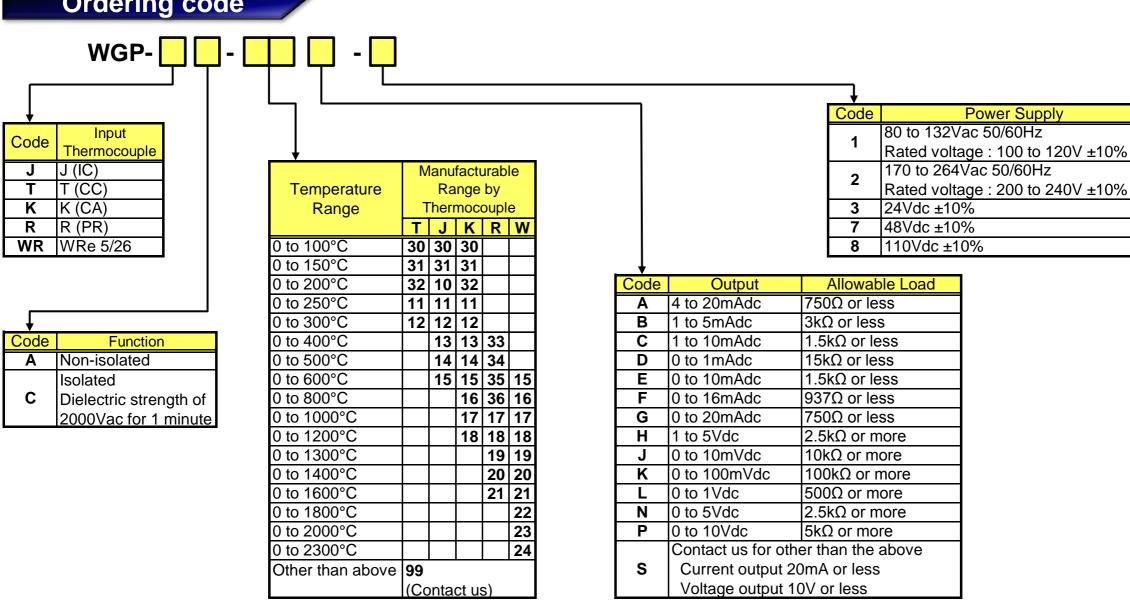


This compact plug-in converter accepts Thermocouples input conforming to JIS standard and provides optically isolated DC voltage or current output. This converter has a linearizer, a cold junction compensating circuit, and a burnout protection circuit as standard equipment which is required to measure temperature.

Features

- ★ Linearizer, Cold junction compensating circuit, and Burnout protection circuit built-in
- ★ Able to measure low temperature by high sensibility amplifier
- ★ Dielectric strength of 2000Vac between input, outputs and power supply
- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.4% FS, Response time 25ms
- ★ Easy to maintain by plug-in structure

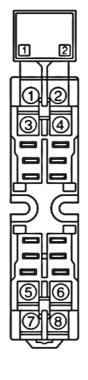
Ordering code



Specifications

Accuracy	±0.4% FS (at 23±10°C)	
Response time	Approx. 25ms (0 to 90%)	
Input resistance	1MΩ or more	
Allowable load resistance	Current output	
	15V or less of voltage drop	
	Voltage output	
	Load current 2mA or less	
	For 1V FS or less of output the current is 1µA or less	
Zero & span adjustment	±10% FS (3 turn trimmer)	
Operating temperature	-5 to +55°C	
Operating relative humidity	90% or less (non-condensing)	
Temperature coefficient	±0.015% FS of span per °C	
Cold junction compensating	±0.5°C	
Accuracy	(±1°C or less for R and WR)	
Cold junction compensating	10 to 40°C	
Temperature		
Linearization	Available	
Burnout protection	Upscale	
Isolation	Between input, output, and power supply	
Insulation resistance	100MΩ or more with a 500Vdc megger	
	Between input, output, and power supply terminal	
Dielectric strength	2000Vac for 1 minute	
Power consumption	Approx. 5VA (AC), Approx. 100mA (DC)	
Power supply variation	±0.1% FS (within the range of rated voltage)	
Dimensions	127(H) X 25.6(W) X 136.5(D)mm	
Weight	Approx. 200g	
Structure	Plug-in	
Connection	M3.5 SEMS screw part of the base socket	
Material of terminal screw	Chromated iron	
Case color and material	Ivory, heat-resistant ABS resin(94V-0)	
Mounting	DIN rail or wall surface	

Terminal connections



No	Signal	Description	
1		Cold junction	
-	WGP-CJC	temperature	
2		compensation	
3	INPUT(+)	lonut	
4	INPUT(-)	Input	
5	OUTPUT(+)	Output	
6	OUTPUT(-)	Output	
7	POWER U(+)	Power Supply	
8	POWER V(-)	Fower Supply	

^{*} Specification is subject to change without notice