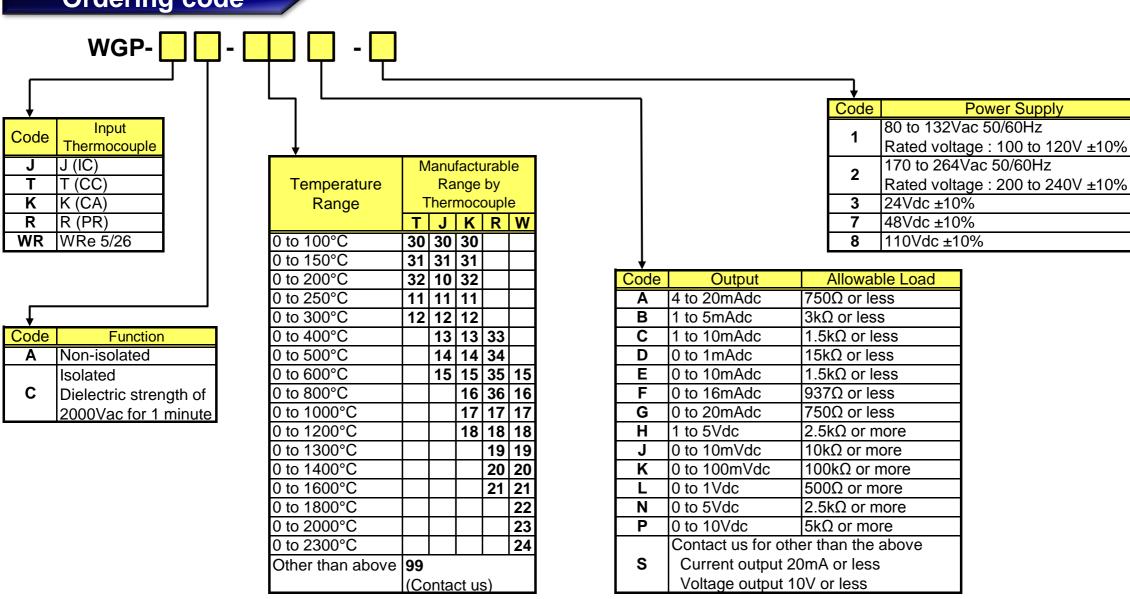


This compact plug-in converter accepts Thermocouples input conforming to JIS standard and provides optically isolated DC voltage or current output. This converter has a linearizer, a cold junction compensating circuit, and a burnout protection circuit as standard equipment which is required to measure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

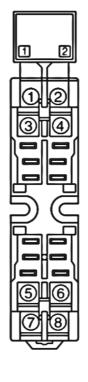
Ordering code



Specifications

| Accuracy | ±0.4% FS (at 23±10°C) | |
|-----------------------------|--|--|
| Response time | Approx. 25ms (0 to 90%) | |
| Input resistance | 1M $Ω$ 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 | istance 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(+) | lanut | |
| 4 | INPUT(-) | Input | |
| 5 | OUTPUT(+) | Output | |
| 6 | OUTPUT(-) | | |
| 7 | POWER U(+) | Power Supply | |
| ρ | POWER V(-) | | |

^{*} Specification is subject to change without notice