



This plug-in type converter (isolator) provides signal output which is mutually isolated between input, output and power-supply. It amplifies and converts various kinds of signal with isolation to use in the integrated instrumental control system. It is highly effective as noise countermeasures.

Features

- ★ High-speed Response time 500μs
- ★ Fine zero & span adjustment by 25 turn trimmer
- ★ Safe design by dielectric strength of 3000Vac
- ★ CE approved
- ★ Easy maintenance by plug-in structure

Ordering code

WVP- DE - - - -

| Code | Model |
|------|---------------------|
| DE | Response time 500μs |

| Code | Input | Input Resistance |
|------|--|------------------|
| 10 | 0 to 10mVdc | 1MΩ |
| 11 | 0 to 100mVdc | 1MΩ |
| 12 | 0 to 1Vdc | 1MΩ |
| 13 | 0 to 5Vdc | 1MΩ |
| 14 | 1 to 5Vdc | 1MΩ |
| 15 | 0 to 10Vdc | 1MΩ |
| 16 | 0 to 50mVdc | 1MΩ |
| 17 | 0 to 60mVdc | 1MΩ |
| 20 | ±10mVdc | 1MΩ |
| 21 | ±50mVdc | 1MΩ |
| 22 | ±100mVdc | 1MΩ |
| 23 | ±1Vdc | 1MΩ |
| 24 | ±5Vdc | 1MΩ |
| 25 | ±10Vdc | 1MΩ |
| 30 | 0 to 10μAdc | 1kΩ |
| 31 | 0 to 100μAdc | 100Ω |
| 32 | 0 to 1mAdc | 100Ω |
| 33 | 0 to 10mAdc | 50Ω |
| 34 | 0 to 16mAdc | 50Ω |
| 35 | 0 to 20mAdc | 50Ω |
| 36 | 4 to 20mAdc | 50Ω |
| 40 | ±1mAdc | 100Ω |
| 41 | ±20mAdc | 50Ω |
| 99 | Contact us for other than the above Full Scale Range: Current input 10μA to 20mA Voltage input 10mV to 300V | |

| Code | Power Supply |
|------|---------------------|
| 1 | 100Vac ±10% 50/60Hz |
| 2 | 200Vac ±10% 50/60Hz |
| 3 | 24Vdc ±10% |
| 4 | 110Vac ±10% 50/60Hz |
| 5 | 220Vdc ±10% 50/60Hz |
| 8 | 110Vdc ±10% |

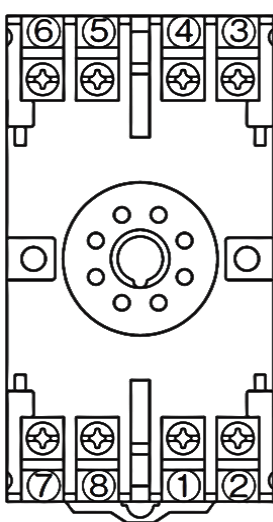
| Code | Output | Allowable Load |
|------|--|----------------|
| A | 4 to 20mAdc | 750Ω or less |
| B | 1 to 5mAdc | 3kΩ or less |
| C | 2 to 10mAdc | 1.5kΩ or less |
| D | 0 to 1mAdc | 15kΩ or less |
| E | 0 to 10mAdc | 1.5kΩ or less |
| F | 0 to 16mAdc | 937Ω or less |
| G | 0 to 20mAdc | 750Ω or less |
| H | 1 to 5Vdc | 2.5kΩ or more |
| J | 0 to 10mVdc | 10kΩ or more |
| K | 0 to 100mVdc | 100kΩ or more |
| L | 0 to 1Vdc | 500Ω or more |
| N | 0 to 5Vdc | 2.5kΩ or more |
| P | 0 to 10Vdc | 5kΩ or more |
| R | ±10Vdc | 5kΩ or more |
| U | ±10VmA | 500Ω or more |
| W | ±20VmA | 250Ω or more |
| S | Contact us for other than the above Current output 50mA or less Voltage output 10V or less | |

* ...CE approval do not adapt input range code 99 and output range code S.

Specifications

| | |
|-----------------------------|--|
| Accuracy | ±0.1% FS (at 23°C) |
| Response time | Approx. 500μs (0 to 90%) |
| Allowable load resistance | Current output 15V or less of voltage drop between output Voltage output Load current 2mA or less For 1V FS or less of output the current is 1μA or less |
| Zero & span adjustment | ±20% FS (25 turn trimmer) |
| Operating temperature | -5 to +55°C |
| Storage temperature | -10 to +60°C |
| Operating relative humidity | 90% or less (non-condensing) |
| Temperature coefficient | ±0.015% FS of span per °C |
| 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 | 3000Vac for 1 minute between power supply and input/output terminal, 2000Vac for 1 minute between input and output terminal |
| Power consumption | Approx. 3.6VA (AC), Approx. 60mA (DC) |
| Dimensions | 97(H) X 51(W) X 126(D)mm |
| Weight | Approx. 210g |
| Structure | Plug-in |
| Connection | M3.5 SEMS screw part of the base socket (Tightening torque 0.8N·m) |
| Material of terminal screw | Chromated iron |
| Mounting | DIN rail or wall surface |
| Case color and material | Ivory, ABS resin, flame retardant grade UL94V-0 |
| EMC directive | EN61326-1, EN61010-1, EN IEC 63000 Installation category : II, Pollution degree : 2 |
| Rated altitude | 2000m or less |

Terminal connections



| No | Signal | Description |
|----|------------|---------------|
| 1 | OUTPUT(+) | Output |
| 2 | OUTPUT(-) | |
| 3 | INPUT(+) | Input |
| 4 | INPUT(-) | |
| 5 | NC | No connection |
| 6 | NC | |
| 7 | POWER U(+) | Power Supply |
| 8 | POWER V(-) | |

* Specification is subject to change without notice