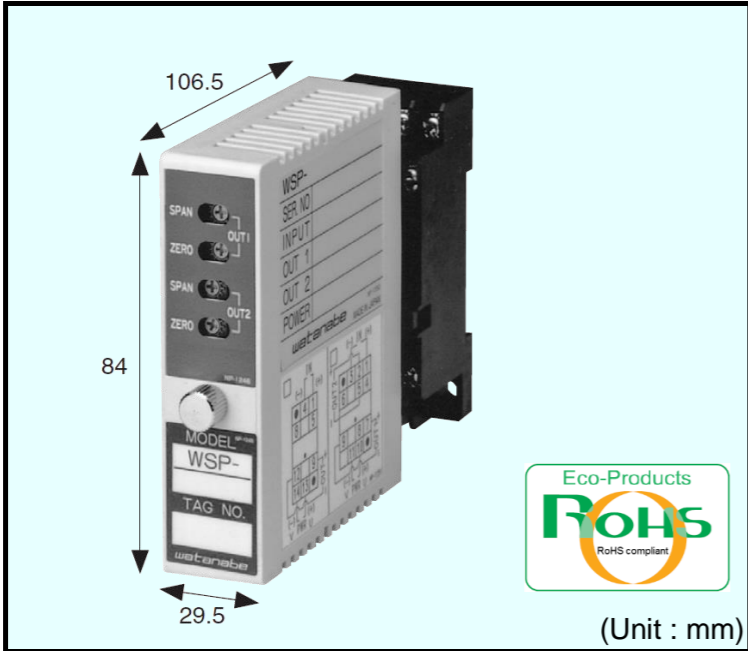


Dual-Output Tachogenerator Converter

WSP-TGW



This compact plug-in signal converter accepts AC tachogenerators input and converts into optically isolated two DC signal outputs. And also provides isolation between the signal input, output, and power supply.

Features

- ★ Isolated two signal outputs are available
- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Both AC and DC power supply are available
- ★ Accuracy at 0.2% FS, Response time 500ms
- ★ Easy to maintain by plug-in structure
- ★ RoHS compliant

Ordering code

WSP- **TGW** - [] [] [] - [] []

| Code | Input | Input Resistance |
|------|-------------|------------------|
| 35 | 0 to 35Vac | 1MΩ |
| 14 | 0 to 10Vac | 1MΩ |
| 15 | 0 to 100Vac | 1MΩ |
| 16 | 0 to 110Vac | 1MΩ |

* ...Contact us for other than the above.

| Code | Output | Allowable Load |
|------|--|----------------|
| A | 4 to 20mAdc | 750Ω or less |
| D | 0 to 1mAdc | 15kΩ or less |
| E | 0 to 10mAdc | 1.5kΩ or less |
| G | 0 to 20mAdc | 750Ω or less |
| H | 1 to 5Vdc | 1kΩ or more |
| J | 0 to 10mVdc | 10kΩ or more |
| K | 0 to 100mVdc | 100kΩ or more |
| L | 0 to 1Vdc | 200Ω or more |
| N | 0 to 5Vdc | 1kΩ or more |
| P | 0 to 10Vdc | 2kΩ or more |
| S | Contact us for other than the above Current output 20mA or less Voltage output 10V or less | |

| Code | Test Report |
|------|------------------|
| X | None |
| T | With Test report |

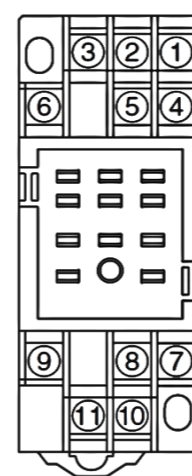
| Code | Power Supply |
|------|----------------------|
| A | 90 to 264Vac 50/60Hz |
| D | 10.8 to 26.4Vdc |
| 8 | 90 to 121Vdc |

| Code | Output 2 | Allowable Load |
|------|-------------|----------------|
| A | 4 to 20mAdc | 350Ω or less |
| D | 0 to 1mAdc | 7kΩ or less |
| G | 0 to 20mAdc | 350Ω or less |
| H | 1 to 5Vdc | 1kΩ or more |
| N | 0 to 5Vdc | 1kΩ or more |
| P | 0 to 10Vdc | 2kΩ or more |

Specifications

| | |
|------------------------------------|---|
| Accuracy | ±0.2% FS (at 23°C) |
| Response time | Approx. 500ms (0 to 90%) |
| Allowable load resistance | Current output First output : 15V or less of voltage drop between output Second output : 7V or less of voltage drop between output Voltage output Load current 5mA or less For 1V FS or less of output the current is 1μA or less |
| Zero & span adjustment | ±5% FS (1 turn trimmer) |
| Output ripple | ±0.25% (p-p) FS |
| Input condition | Rated frequency 20 to 500Hz Waveform and frequency components : Sine wave |
| Operating temperature | -5 to +55°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 | 2000Vac for 1 minute |
| Power consumption | Approx. 4.5VA (AC), Approx. 100mA (24Vdc) |
| Power supply variation | ±0.1% FS (within the range of rated voltage) |
| Dimensions | 84(H) X 29.5(W) X 106.5(D)mm |
| Weight | Approx. 150g |
| Structure | Plug-in |
| Connection | M3 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 | INPUT(-) | Input |
| 2 | No.2 OUTPUT(+) | No.2 Output |
| 3 | INPUT(-) | Input |
| 4 | NC | No connection |
| 5 | No.2 OUTPUT(-) | No.2 Output |
| 6 | NC | No connection |
| 7 | No.1 OUTPUT(+) | No.1 Output |
| 8 | NC | No connection |
| 9 | No.1 OUTPUT(-) | No.1 Output |
| 10 | POWER U(+) | Power Supply |
| 11 | POWER V(-) | |

* Specification is subject to change without notice