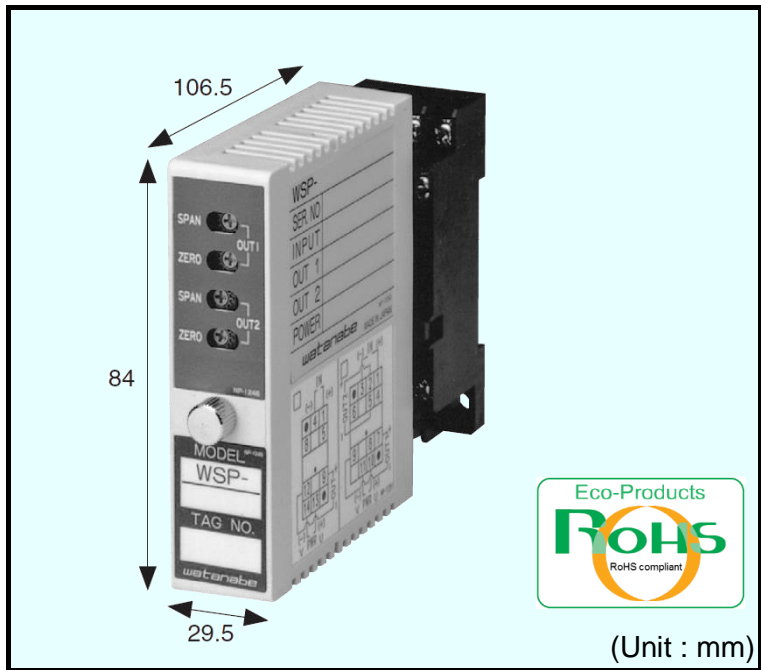


Dual-Output Tachogenerator Converter

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
- ★ Accuracy at 0.2% FS, Response time 500ms
- ★ Easy maintenance 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 20mA _{dc}	750Ω or less
D	0 to 1mA _{dc}	15kΩ or less
E	0 to 10mA _{dc}	1.5kΩ or less
G	0 to 20mA _{dc}	750Ω or less
H	1 to 5V _{dc}	1kΩ or more
J	0 to 10mV _{dc}	10kΩ or more
K	0 to 100mV _{dc}	100kΩ or more
L	0 to 1V _{dc}	200Ω or more
N	0 to 5V _{dc}	1kΩ or more
P	0 to 10V _{dc}	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 26.4V _{dc}
8	90 to 121V _{dc}

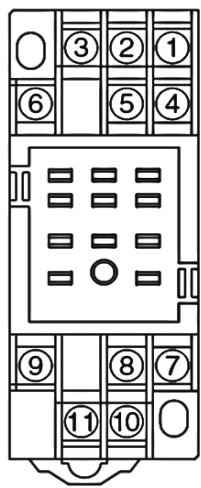
*DC power supply has discontinued

Code	Output 2	Allowable Load
A	4 to 20mA _{dc}	350Ω or less
D	0 to 1mA _{dc}	7kΩ or less
G	0 to 20mA _{dc}	350Ω or less
H	1 to 5V _{dc}	1kΩ or more
N	0 to 5V _{dc}	1kΩ or more
P	0 to 10V _{dc}	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 or less
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 500V _{dc} megger Between input, output, and power supply terminal
Dielectric strength	2000Vac for 1 minute
Power consumption	Approx. 4.5VA (AC), Approx. 100mA (24V _{dc})
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