Test Report

Allowable Load

Resistance

350Ω or less

 $7k\Omega$ or less

 350Ω or less

 $1k\Omega$ or more

200Ω or more

1kΩ or more

 $2k\Omega$ or more

2kΩ or more

Contact us for other than the above

Current output 20mA or less

Voltage output 10V or less

Code

24Vdc ±10%

10.8 to 30Vdc

110Vdc ±10%

Output 2

0 to 20mAdc

1 to 5Vdc

0 to 1Vdc

0 to 5Vdc

±10Vdc

0 to 10Vdc

G

S

None

With Test report

Power Supply

100 to 240Vac ±10% 50/60Hz



WSP-

This compact plug-in signal converter connects with 3-wire type potentiometer, and provides DC voltage or current.

This converter has Isolator built-in and a burnout protection circuit as standard equipment

Features

- ★ Zero & span adjustment ±10% full scale (Fine adjustment by 25 turn trimmer)
- ★ Safe design by dielectric strength of 3000Vac
- ★ 5 years warranty, long life
- ★ CE approved
- ★ Burnout protection circuit as standard equipment

10kΩ or more

200Ω or more

 $1k\Omega$ or more

 $2k\Omega$ or more

2kΩ or more

Contact us for other than the above

Current output 20mA or less

Voltage output 10V or less

0 to 100mVdc 100kΩ or more

0 to 1Vdc

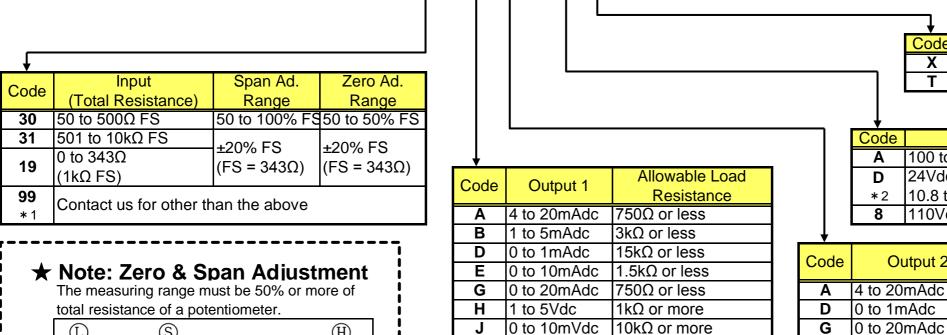
0 to 5Vdc

±10Vdc

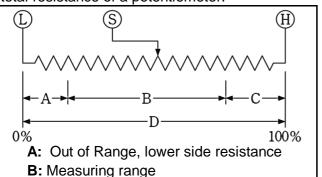
S

0 to 10Vdc

Ordering code



M S W

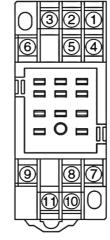


- **B:** Measuring range
- C: Out of Range, upper side resistance D: Total resistance of a Potentiometer
- A procedure for adjustment, adjust Zero first, and then adjust the Span.
- *1···CE approval do not adapt input range code 99 and output range code S. *2···CE approval do not adapt when power supply is 10.8Vdc to 30Vdc.

Specifications

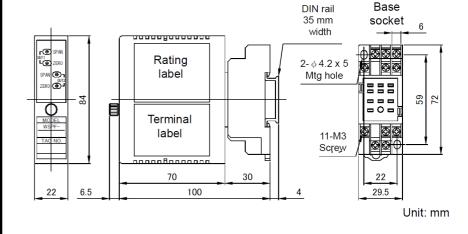
Input signal	3-wire type potensiometer		
Accuracy	±0.1% FS (at 23°C)		
Response time	Approx. 25ms (0 to 90%)		
Allowable load	Current output		
	First output : 15V or less of voltage drop between output		
	Second output : 11V or less of voltage drop between output		
	Voltage output		
	Load current 5mA or less		
	*1µA or less if the output is less than 1V FS		
Span adjustment	50 to 100% of rated input (25 turn trimmer)		
	(±20% for input 19)		
Zero adjustment	0 to 50% of span (±20% for input 19)		
Operating temperature	-5 to +55°C		
Operating relative humidity	90% or less (Non-condensing)		
Temperature coefficient	±0.015% FS of span per °C		
Burnout protection	Upscale / downscale *Please specify when you order for downscale		
Isolation	Between input, output, and power supply		
Insulation resistance	100MΩ or more with 500Vdc megger		
	Between input, output, and power supply terminal		
Dielectric strength	2000Vac for 1 minute		
Power consumption	Approx. 5.6VA (AC), Approx. 88mA (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 (Body part and socket part)		
Connection	M3 SEMS screw part of the base socket (Tightening torque 0.6N·m)		
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



	INO	Oyillbol .		Description
	1	INPUT	HIGH	Input
	2	OUTPUT-2	+	No.2 Output
	3	INPUT	SLIDE	Input
	4		LOW	
	5	OUTPUT-2	-	No.2 Output
	6	NC		No connection
	7	OUTPUT-1	+	No.1 Output
	8	NC		No connection
	9	OUTPUT-1	-	No.1 Output
	10	POWER	U(+)	Power Supply
	11	TOVVEIX	V(-)	

Demensions



* Specification is subject to change without notice