

This compact plug-in converter (isolator) receives two analog input and outputs a signal in proportion to their product or quotient.

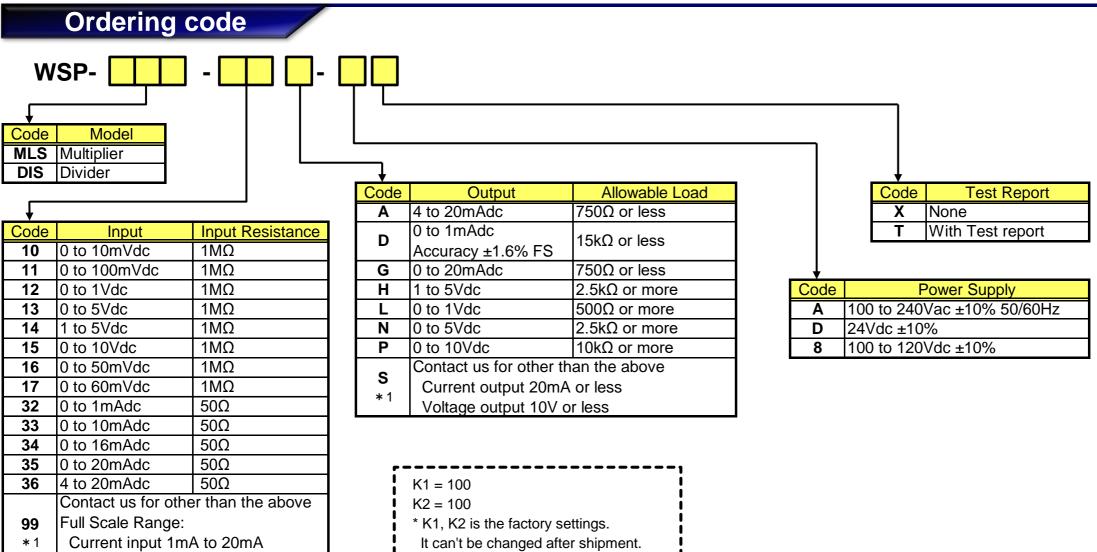
For example, WSP-MLS/DIS can be used for the calculation of temperature correction of visosity or density.

## **Features**

- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Both AC and DC power supply are available

\*1···CE approval do not adapt input range code 99 and output range code S.

- ★ Long operationg time
- ★ Easy maintenance by plug-in structure
- ★ CE approved

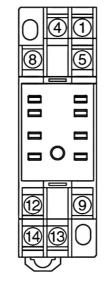


## **Specifications**

Voltage input 10mV to 10V

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Equation	<multiplier></multiplier>	
	Output = $(K1/100 \times Input 1) \times (K2/100 \times Input 2)$	
	K1, K2: Specified in the range of 0.1-100.0% (standard 100%)	
	<divider></divider>	
	Output = (K2/100 x Input 2) / (K1/100 x Input 1)	
	But, K1/100 x Input 1 > K2/100 x Input 2	
	K1 K2 · Specified in the range of 10 0-100 0% (standard 100%)	
Accuracy	Multiplier : ±0.1% FS (at 23°C)	
	Divider : ±0.2% FS (at 23°C)	
	*99, S code depends on span	
Response time	Approx. 100ms ( 0 to 90%)	
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 1mA or less	
Zero & span adjustment	±10% FS (Front switch)	
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	A: 100 to 240Vac ±10% Approx. 5.5VA	
·	D: 24Vdc ±10% Approx. 100mA	
	8: 100 to 120Vdc ±10% Approx. 25mA	
Power supply variation	±0.1% FS (within the range of rated voltage)	
Dimensions	84(H) X 23(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)	
Applicable Directive	EN61326-1, EN61010-1, EN IEC 63000	
	Installation category : II, Pollution degree : 2	
Mounting	DIN rail or wall surface	

## **Terminal connections**



NI.	Cierro I	Description	
No	Signal	Description	
1	No.1 INPUT(+)	No.1 Input	
. /	No.1 INPUT(-)	No. i iliput	
	No.2 INPUT(-)	No.2 Input	
5	No.2 INPUT(+)		
8	NC	No connection	
9	OUTPUT(+)	Output	
12	OUTPUT(-)	Output	
13	POWER U(+) Power Supply		
14	POWER V(-)		

<sup>\*</sup> Specification is subject to change without notice