

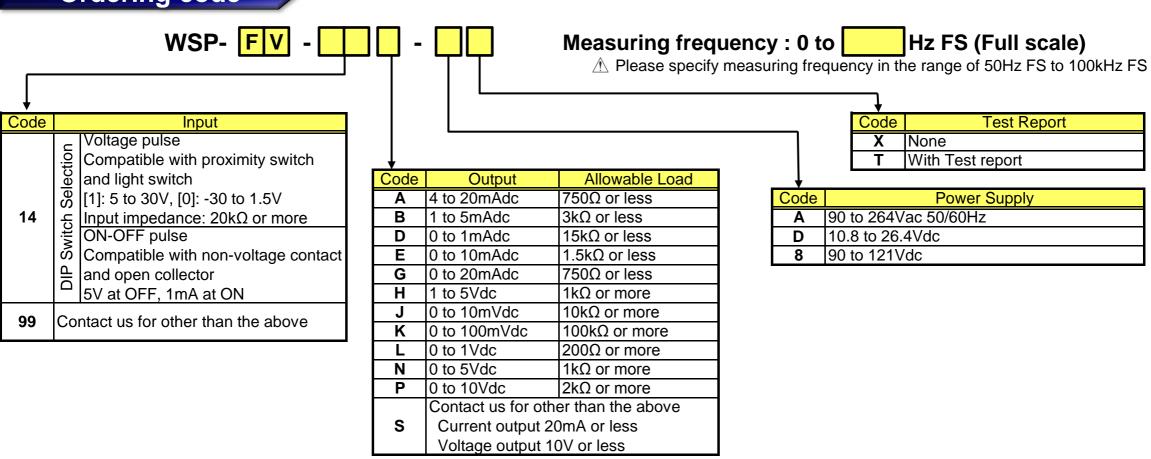
This compact plug-in converter receives a pulse train signal and converts into an analog signal that is proportional to its frequency, and provides an isolated output.

It converts measurement signals detected in the form of pulses (e.g., those for flow rate, revolution, and speed) into optimum DC signals for measuring and control systems.

Features

- ★ Generates low-ripple signals with excellent linearity and repeatability
- ★ Dielectric strength of 2000Vac between input, output and power supply
- ★ Both AC and DC power supply are available
- ★ Easy to maintain by plug-in structure
- ★ RoHS compliant

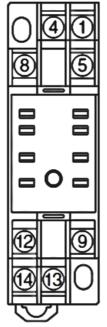
Ordering code



Specifications

Measuring frequency	50Hz FS to 100kHz FS (Duty 25 to 75%)	
Accuracy	±0.1% FS (at 23°C)	
Output ripple	±0.1% (p-p) FS	
Allowable load resistance	Current output	
Allowable load resistance	15V or less of voltage drop between output	
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	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)	
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. 5.6VA (AC), Approx. 70mA (24Vdc)	
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. 130g	
Shutdown frequency	When the input frequency is excessively low as	
	compared to the full scale, it is hard to completely	
	remove ripples from the output.	
	This converter forcibly cuts off the output when	
	the input falls below the shutdown frequency.	
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(+)		
4	INPUT(-)	Input	
5	INPUT(+)		
8	NC	No connection	
9	OUTPUT(+)	Output	
12	OUTPUT(-)	Output	
13	POWER U(+)	Power Supply	
14	POWER V(-)		

^{*} Specification is subject to change without notice