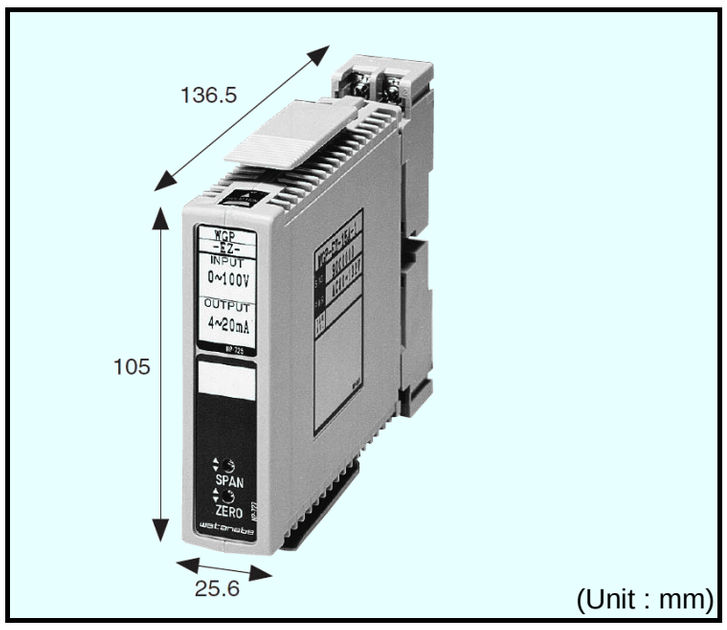
RMS Value Converter

WGP-EZ



(Unit : mm)

This slim-type plug-in signal converter converts AC voltage or current to a DC signal best suitable for the measurement control equipment input. With the true RMS value operation method, this converter ensures high reliability against distorted waves.

Features

★ Dielectric strength of 2000Vac between input, output and power supply
★ High vibration tolerance
★ Both AC and DC power supply are available
★ Easy to maintain by plug-in structure

Ordering code

WGP- EZ - □□ □ - □

Code	Input	Input Resistance
13	0 to 1Vac	Approx. 1MΩ
14	0 to 10Vac	Approx. 1MΩ
35	0 to 35Vac	Approx. 1MΩ
15	0 to 100Vac	Approx. 1MΩ
16	0 to 110Vac	Approx. 1MΩ
17	0 to 150Vac	Approx. 1MΩ
18	0 to 200Vac	Approx. 1MΩ
19	0 to 250Vac	Approx. 1MΩ
20	0 to 1mAac	100Ω
21	0 to 10mAac	50Ω
22	0 to 20mAac	50Ω
23	0 to 100mAac	10Ω
99	Contact us for other than the above	

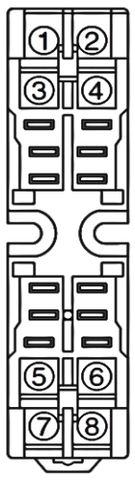
Code	Output	Allowable Load
A	4 to 20mAdc	750Ω or less
B	1 to 5mAdc	3kΩ or less
C	2 to 10mAdc	1.5kΩ or less
D	0 to 1mAdc	15kΩ or less
E	0 to 10mAdc	1.5kΩ or less
F	0 to 16mAdc	937Ω or less
G	0 to 20mAdc	750Ω or less
H	1 to 5Vdc	2.5kΩ or more
J	0 to 10mVdc	10kΩ or more
K	0 to 100mVdc	100kΩ or more
L	0 to 1Vdc	500Ω or more
N	0 to 5Vdc	2.5kΩ or more
P	0 to 10Vdc	5kΩ or more
S	Contact us for other than the above Current output 20mA or less Voltage output 10V or less	

Code	Power Supply
1	80 to 132Vac (Rated value 100-120V) 50/60Hz
2	170 to 264Vac (Rated value 200-240V) 50/60Hz
3	24Vdc ±10%
7	48Vdc ±10%
8	110Vdc ±10%

Specifications

Accuracy	±0.2% FS (at 23°C)
Response time	Approx. 500ms (0 to 90%)
Allowable load resistance	Current output 15V or less of voltage drop between output terminal Voltage output Load current 2mA or less For 1V FS or less of output the current is 1μA or less
Zero & span adjustment	±10% FS (3 turn trimmer)
Output ripple	0.25% (p-p) FS or less
Rated frequency	20Hz to 500Hz
Operating temperature	-5 to +55°C
Operating relative humidity	90% or less (non-condensing)
Temperature coefficient	±0.015% FS of span per °C
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. 90mA (DC)
Power supply variation	±0.1% FS (within the range of rated voltage)
Dimensions	105(H) X 25.6(W) X 136.5(D)mm
Weight	Approx. 200g
Structure	Plug-in
Connection	M3.5 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	INPUT(~)	
3	NC	No connection
4	NC	
5	OUTPUT(+)	Output
6	OUTPUT(-)	
7	POWER U(+)	Power Supply
8	POWER V(-)	

＊ Specification is subject to change without notice