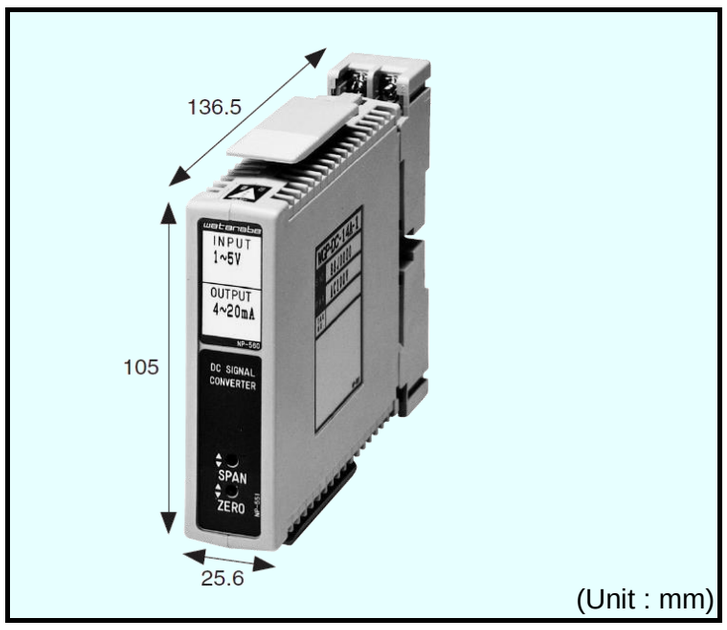
DC Converter (Non-isolated)

WGP-DC



(Unit : mm)

This slim-type plug-in signal converter amplifies signals of various levels, which are extracted from sensors and control equipment, and converts them to a signal level that can be integratedly handled in the measurement control system.

Features

★ Dielectric strength of 2000Vac between input, output and power supply
★ High vibration tolerance
★ Both AC and DC power supply are available
★ Accuracy at 0.1% FS, Response time 25ms
★ Easy to maintain by plug-in structure

Ordering code

WGP- DC - □□ □ - □

Code	Input	Input Resistance
10	0 to 10mVdc	1MΩ
11	0 to 100mVdc	1MΩ
12	0 to 1Vdc	1MΩ
13	0 to 5Vdc	1MΩ
14	1 to 5Vdc	1MΩ
15	0 to 10Vdc	1MΩ
16	0 to 50mVdc	1MΩ
17	0 to 60mVdc	1MΩ
20	±10mVdc	1MΩ
21	±50mVdc	1MΩ
22	±100mVdc	1MΩ
23	±1Vdc	1MΩ
24	±5Vdc	1MΩ
25	±10Vdc	1MΩ
30	0 to 10μAdc	1MΩ
31	0 to 100μAdc	1MΩ
32	0 to 1mAdc	1MΩ
33	0 to 10mAdc	1MΩ
34	0 to 16mAdc	1MΩ
35	0 to 20mAdc	1MΩ
36	4 to 20mAdc	1MΩ
40	±1mAdc	1MΩ
41	±20mAdc	1MΩ
99 ＊1	Contact us for other than the above Full Scale Range: Current input 10μA to 50mA Voltage input 10mV to 300V	

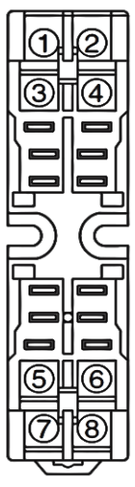
Code	Output	Allowable Load
A	4 to 20mAdc	750Ω or less
B	1 to 5mAdc	3kΩ or less
C	2 to 10mAdc	1.5kΩ or less
D	0 to 1mAdc	15kΩ or less
E	0 to 10mAdc	1.5kΩ or less
F	0 to 16mAdc	937Ω or less
G	0 to 20mAdc	750Ω or less
H	1 to 5Vdc	2.5kΩ or more
J	0 to 10mVdc	10kΩ or more
K	0 to 100mVdc	100kΩ or more
L	0 to 1Vdc	500Ω or more
N	0 to 5Vdc	2.5kΩ or more
P	0 to 10Vdc	5kΩ or more
R	±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	100 to 120Vac ±10% 50/60Hz
2	200 to 240Vac ±10% 50/60Hz
3	24Vdc ±10%
7	48Vdc ±10%
8	110Vdc ±10%

Specifications

Accuracy	±0.1% FS (at 23°C)
Response time	Approx. 25ms (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)
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)
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**