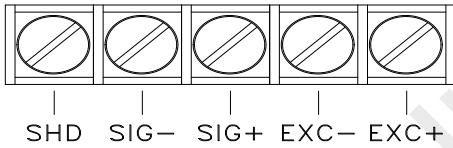
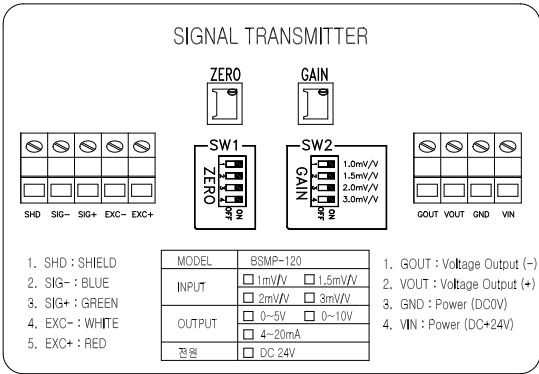


SIGNAL TRANSMITTER BSMP-120 MANUAL

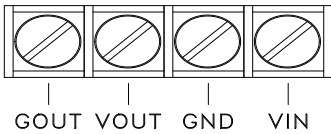
1. Specification & Features

- ❖ Input Signal : 0.5 ~ 3.0mV/V DC
- ❖ Sensor Excitation Transducer : DC 10V
- ❖ Analog Output : DC 0 ~10V, 4 ~ 20mA
- ❖ Accuracy : ±0.2%
- ❖ Temp. Coefficient : ±0.05% /°C
- ❖ Operating Temperature : -10 ~+50°C
- ❖ Power : DC 24V
- ❖ Case Material & Protection : ABS, IP66

2. Connection Diagram

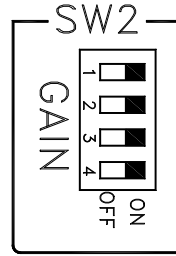


SHD : SHIELD
SIG - : Load Cell signal (-)
SIG + : Load Cell signal (+)
EXC - : Load Cell Excitation voltage (-)
EXC + : Load Cell Excitation voltage (+)



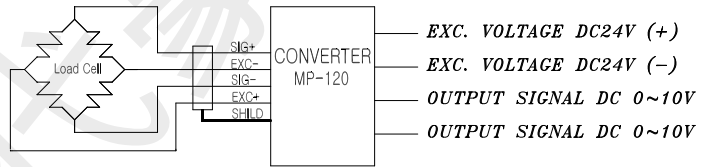
GOUT : Voltage Output (-)
VOUT : Voltage Output (+)
GND : DC24V Ground
VIN : DC24V Input

3. Output Selection



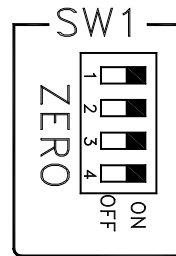
Set-up	Dip Switch ON
1.0 mV/V	1
1.5 mV/V	2
2.0 mV/V	3
3.0 mV/V	4

4. Installation Diagram



5. Calibration

1) Zero Adjustment



Select the output format required and set the correct setting of DIP switch SW2 and SW1.

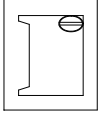
Example :

Load cell sensitivity around 2mV/V
DIP switch and switch setting are as follows :

SW1	Set-up	Dip Switch ON
	? mV/V	1

SW2	Set-up	Dip Switch ON
	2.0 mV/V	3

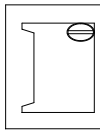
ZERO



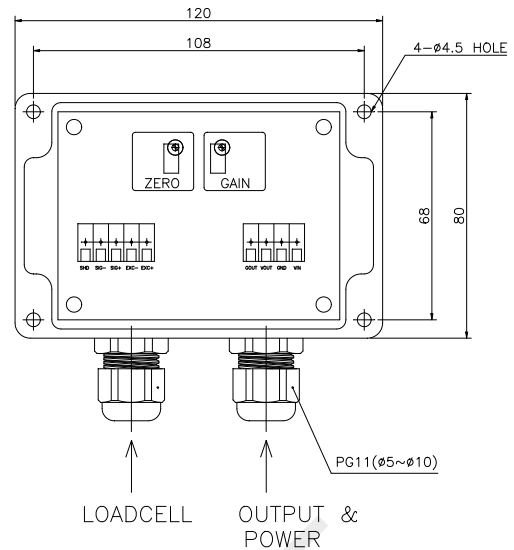
Remove all the load on the weighing platform.
Adjust the coarse and ZERO variable resistor to get output of 0V
according to the kind of output format selected.
In Example, set to 0V

2) Span Adjustment

GAIN



Put the standard weight onto the platform.
Adjust the coarse and GAIN variable resistor to get output of 10V
according to the kind of output format selected.
In Example, set to 10V



- | | |
|-----------------|------------------------------|
| 1. SHIELD | 1. GOUT : Voltage Output (-) |
| 2. SIG- (BLUE) | 2. VOUT : Voltage Output (+) |
| 3. SIG+ (GREEN) | 3. GND : Power (DC0V) |
| 4. EXC- (WHITE) | 4. VIN : Power (DC24V) |
| 5. EXC+ (RED) | |

6. OUTLINE DIMENSIONS

