StrainGauge Strain Gauge Input Setting (Strain Gauge)
(Ach)   (P00 to P15)

Setting item	Default value	Setting range
Pattern Select	— — — — —	P00 to 15
Pattern Copy	— — — — —	P00 to 15
Sensor Power	2.5V	2.5V, 5V, 10V
ZERO Calibration	0	0.0000
Equivalent Calibration	2.0000	SPIN value (rated-output value) (0.1 to 3.000mV/V)
Actual Load	10000	Span set value (100 to 99999)
Decimal Point	0	0.0000, 0.000, 0.00, 0.0, 0
Digital Shift	0	±99999
Unit	None	Select from among 79 different units.
Moving Average	off	off, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024 (times)
Analog Filter	600	10, 30, 300, 600 (Hz)
Digital Limiter HI	99999	-99998 to 99999
Digital Limiter LO	-99999	-99999 to 99998
Step	1	1, 2, 5, 10

First, we need to change several values in the above figure. There are three options for Sensor Power. Generally, 10V is selected, but the specific choice should be based on what is written in the sensor's instruction manual. There are five options for Decimal Point, and you can choose according to your needs. There are multiple units available for Unit, and you can make a selection as required. The other items can be left as default.

The calibration steps are as follows:

1. Turn off the protection settings.
2. Check the sensor power.
3. Perform zero - point calibration.
4. Skip data calibration (we use weight loading for calibration).
5. Load the weights.
6. Turn on the protection settings.

Specific operations:

1. Turn off the protection settings (see page 73 of the instruction manual). Press the MODE key, then press YES, then press PAGE, then press SYSTEM, and change Protect Strain Gauge to "OFF".
2. Check the sensor power (see page 34 of the instruction manual). Press the MODE key, then press YES, then press Strain Gauge, select Channel A, press Ach, and then select the corresponding voltage value for Sensor Power.
3. Press PAGE, then press Zero Calibration, change the value to 0, and then press SET (see pages 34 and 35 of the instruction manual).
4. Press Actual Load, load the weights, and enter the weight value of the weights (see page 36 of the instruction manual).

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5. Press PAGE. Use Decimal Point to change the position of the decimal point and Unit to change the unit. Leave the other settings as default.
6. Press PAGE until you reach the end, save the settings and return to the normal interface. Then press the MODE key, then press YES, then press PAGE, then press SYSTEM, and change Protect Strain Gauge to "ON" to turn on the protection settings.

Note: You may need to perform the above settings once to set the decimal point and unit first, and then perform the calibration process again. Check the actual situation during the operation.