

# Calibration Instructions for the Standard Version of the SJ-H/HS series

## When is to Calibration Required?

Calibration may be required when the SJ-H/HS series initially installed or if the scale is moved a substantial distance.

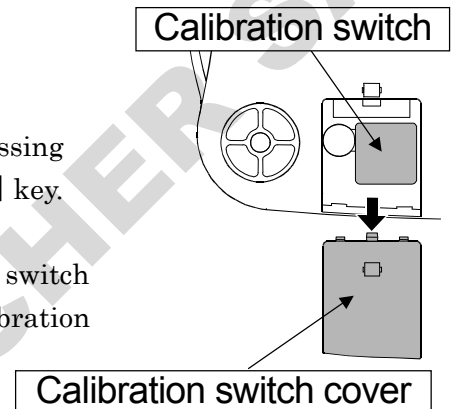
## Calibration using a Calibration Weight

### 1. Entering calibration mode.

Press the [ON/OFF] key to turn the power off. While pressing both the [RE-ZERO] and [UNITS] keys, press the [ON/OFF] key.

Then  $\boxed{CAL}$  will be displayed.

$\boxed{CAL}$  can also be displayed by removing the calibration switch cover at the bottom of the device and pressing the calibration switch while the device is in the Weighing Mode.



### 2. Zero calibration

Press the [RE-ZERO] key to calibrate zero.  $\boxed{CAL0}$  will be displayed.

Wait for the Stable Indicator to be displayed, then press the [RE-ZERO] key.

$\boxed{CALF}$  will be displayed after a few seconds. Press the [UNITS] key to perform only a Zero Calibration. The scale will then automatically return to the Weighing Mode.

### 3. Span calibration

When  $\boxed{CALF}$  is displayed, place the weight at the center of the platform. Wait for the Stable Indicator to be displayed, then press the [RE-ZERO] key. The display will show  $\boxed{End}$  and the scale will automatically return to the Weighing Mode.

See "SPECIFICATIONS" about the calibration weight.

## Calibration by Gravity Compensation

If the acceleration of gravity at your location is not  $9.798 \text{ m/s}^2$  and you do not have calibration weights, the scale can be calibrated by compensating for the acceleration of gravity. (Refer to "The Value of Gravity at Various Locations".)

### 1. Setting a new acceleration value.

When  $\boxed{CAL}$  is displayed, press the [UNITS] key and  $\boxed{9.798}$  will be displayed. Press the [RE-ZERO] key to increment the blinking digit and press the [UNITS] key to move the blinking digit.

### 2. Storing the value in the memory.

While pressing the [UNITS] key, press and hold the [RE-ZERO] key and release the [UNITS] key. Then the display will show  $\boxed{End}$  and return to  $\boxed{CAL}$ . Turn the scale off to finish the procedure.

## SPECIFICATIONS

MODEL	SJ-1000H/HS	SJ-2000H/HS	SJ-5000H/HS	SJ-5001H/HS	SJ-12KH/HS	
Capacity x Resolution	(k)g	1000 g x 0.5 g	2000 g x 1 g	5000 g x 2 g	5000 g x 1g	12 kg x 5g
	lb	2.2 lb x 0.001 lb	4.4 lb x 0.002 lb	11 lb x 0.005 lb	11 lb x 0.005 lb	26 lb x 0.01 lb
	oz	35 oz x 0.02 oz	70 oz x 0.05 oz	176 oz x 0.1 oz	176 oz x 0.1 oz	423 oz x 0.2 oz
	lb-oz	2.2 lb x 0.1 oz	4.4 lb x 0.1 oz	11 lb x 0.1 oz	11 lb x 0.1 oz	26 lb x 1 oz
Calibration weight	1000g ± 0.1g	2000g ± 0.2g	5000g ± 0.5g	5000g ± 0.5g	10 kg ± 1g	

## The Value of Gravity at Various Locations

Amsterdam	9.813 m/s <sup>2</sup>	Havana	9.788 m/s <sup>2</sup>	Rio de Janeiro	9.788 m/s <sup>2</sup>
Athens	9.807 m/s <sup>2</sup>	Helsinki	9.819 m/s <sup>2</sup>	Rome	9.803 m/s <sup>2</sup>
Auckland NZ	9.799 m/s <sup>2</sup>	Kuwait	9.793 m/s <sup>2</sup>	San Francisco	9.800 m/s <sup>2</sup>
Bangkok	9.783 m/s <sup>2</sup>	Lisbon	9.801 m/s <sup>2</sup>	Singapore	9.781 m/s <sup>2</sup>
Birmingham	9.813 m/s <sup>2</sup>	London (Greenwich)	9.812 m/s <sup>2</sup>	Stockholm	9.818 m/s <sup>2</sup>
Brussels	9.811 m/s <sup>2</sup>	Los Angeles	9.796 m/s <sup>2</sup>	Sydney	9.797 m/s <sup>2</sup>
Buenos Aires	9.797 m/s <sup>2</sup>	Madrid	9.800 m/s <sup>2</sup>	Taichung	9.789 m/s <sup>2</sup>
Calcutta	9.788 m/s <sup>2</sup>	Manila	9.784 m/s <sup>2</sup>	Vancouver, BC	9.809 m/s <sup>2</sup>
Cape Town	9.796 m/s <sup>2</sup>	Melbourne	9.800 m/s <sup>2</sup>	Washington DC	9.801 m/s <sup>2</sup>
Chicago	9.803 m/s <sup>2</sup>	Mexico City	9.779 m/s <sup>2</sup>	Wellington NZ	9.803 m/s <sup>2</sup>
Copenhagen	9.815 m/s <sup>2</sup>	Milan	9.806 m/s <sup>2</sup>	Zurich	9.807 m/s <sup>2</sup>
Cyprus	9.797 m/s <sup>2</sup>	New York	9.802 m/s <sup>2</sup>	Taiwan	9.788 m/s <sup>2</sup>
Djakarta	9.781 m/s <sup>2</sup>	Oslo	9.819 m/s <sup>2</sup>	Taipei	9.790 m/s <sup>2</sup>
Frankfurt	9.810 m/s <sup>2</sup>	Ottawa	9.806 m/s <sup>2</sup>	Tokyo	9.798 m/s <sup>2</sup>
Glasgow	9.816 m/s <sup>2</sup>	Paris	9.809 m/s <sup>2</sup>		

