

# Calibration Instructions for the Type Approval Version of the SJ series

## When is to Calibration Required?

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

## Calibration using a Calibration Weight

### 1. Entering calibration mode.

Remove the calibration switch cover at the bottom of the device and press the calibration switch while the device is in the Weighing Mode.

Then CAL will be displayed.

### 2. Zero calibration

Press the [RE-ZERO] key to calibrate zero. CAL0 will be displayed.

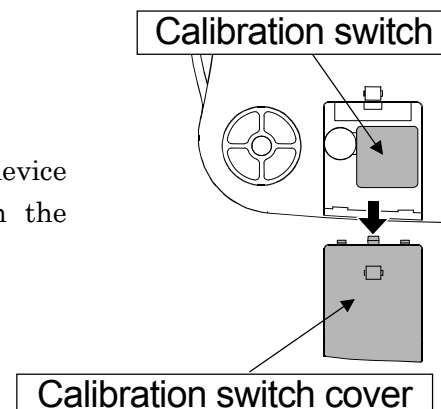
Wait for the Stable Indicator to be displayed then press the [RE-ZERO] key.

CALF will be displayed after a few seconds. Press the [BLIND]\* key to perform only a Zero Calibration. The scale will then automatically return to the Weighing Mode.

### 3. Span calibration

When 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 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 m/s<sup>2</sup> 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 CAL is displayed, press the [BLIND]\* key and 9.798 will be displayed. Press the [RE-ZERO] key to increment the blinking digit and press the [BLIND]\* key to move the blinking digit.

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

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

**Remarks\*:** The [BLIND] key can be activated by pressing the area between the [ON/OFF] and [RE-ZERO] keys.

## SPECIFICATIONS

MODEL	SJ-1000	SJ-2000	SJ-5000	SJ-12K
Capacity/Resolution	1000 g x 1 g	2000 g x 2 g	5000 g x 5 g	0 ~ 10 kg x 10 g 10 ~ 12 kg x 20 g
Maximum tare	1000 g	2000 g	5000 g	9.99 kg
Calibration weight	1000g ± 0.1g	2000g ± 0.2g	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>		

