

# HT series Compact Scale

## Calibration and Function Setting Procedures

### Calibration

#### When is Calibration Required?

Calibration may be required when the HT series compact scale was initially installed or has been moved to another location.

#### Calibration Using a Calibration Weight

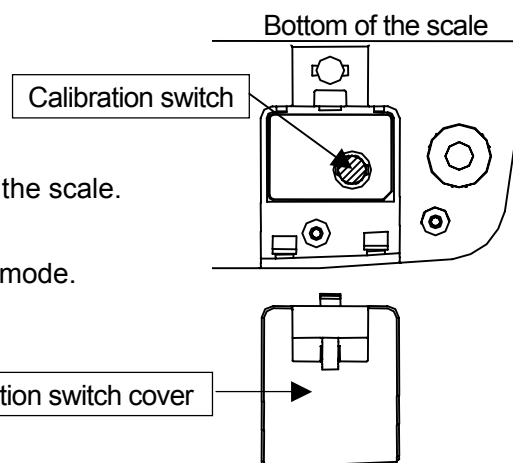
##### 1. Entering the calibration mode

Remove the calibration switch cover located on the bottom of the scale.

Press the [ON:OFF] switch to turn the scale on.

Press the calibration switch while the scale is in the weighing mode.

**[CAL]** will be displayed.



##### 2. Zero calibration

Press the [RE-ZERO] key. **[CALD]** will be displayed.

Wait for the STABLE Indicator (○) to be displayed. Press the [RE-ZERO] key to perform zero calibration.

**[CALF]** will be displayed after a few seconds. To calibrate span, go to step 3.

To return to the weighing mode without performing span calibration, press the [UNITS] key.

##### 3. Span calibration

When **[CALF]** is displayed, place the calibration weight on the center of the weighing pan. Wait for the STABLE indicator to be displayed. Press the [RE-ZERO] key to perform span calibration.

**[End]** will be displayed and the scale will automatically return to the weighing mode.

Note: For details about the calibration weight, see "Specifications".

#### 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. (See "The Value of Gravity at Various Locations".)

##### 1. Setting a new acceleration value

When **[CAL]** is displayed, press the [UNITS] key. **[9798]** will be displayed.

To change the value, press the [RE-ZERO] key to increment the blinking digit and press the [UNITS] key to move the blinking digit.

##### 2. Storing the value into the memory

While pressing the [UNITS] key, press and hold the [RE-ZERO] key and release the [UNITS] key.

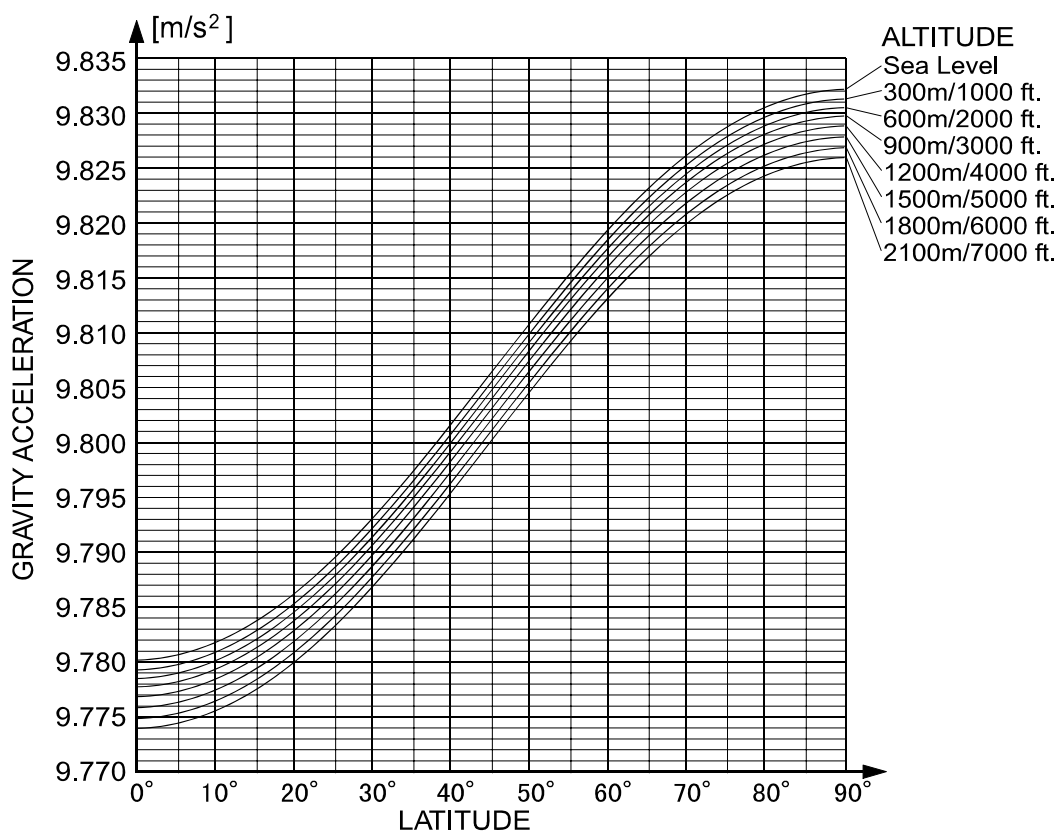
After **[End]**, **[CAL]** will be displayed. Turn the scale off to finish the procedure.

## Specifications

MODEL	HT-300	HT-3000	HT-500	HT-5000
Capacity/Resolution	310 g x 0.1 g	3100 g x 1 g	510 g x 0.1 g	5100 g x 1 g
Maximum tare	310 g	3100 g	510 g	5100 g
Calibration weight	300g ± 0.01g	3000g ± 0.1g	500g ± 0.01g	5000g ± 0.1g

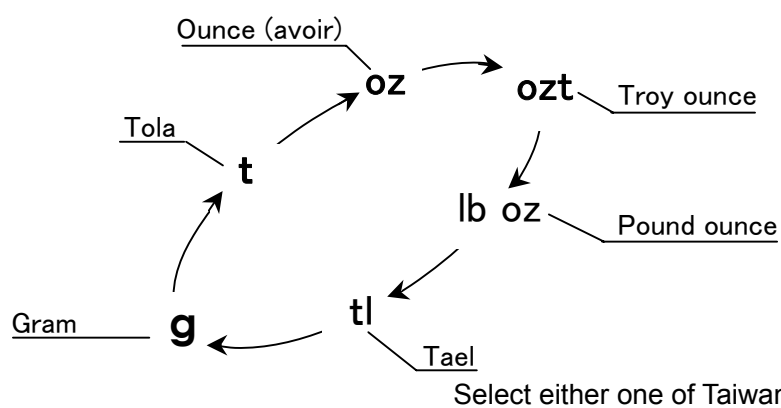
## The Value of Gravity at Various Locations

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>	Taiwan	9.788 m/s <sup>2</sup>
Cape Town	9.796 m/s <sup>2</sup>	Melbourne	9.800 m/s <sup>2</sup>	Taipei	9.790 m/s <sup>2</sup>
Chicago	9.803 m/s <sup>2</sup>	Mexico City	9.779 m/s <sup>2</sup>	Tokyo	9.798 m/s <sup>2</sup>
Copenhagen	9.815 m/s <sup>2</sup>	Milan	9.806 m/s <sup>2</sup>	Vancouver, BC	9.809 m/s <sup>2</sup>
Cyprus	9.797 m/s <sup>2</sup>	New York	9.802 m/s <sup>2</sup>	Washington DC	9.801 m/s <sup>2</sup>
Djakarta	9.781 m/s <sup>2</sup>	Oslo	9.819 m/s <sup>2</sup>	Wellington NZ	9.803 m/s <sup>2</sup>
Frankfurt	9.810 m/s <sup>2</sup>	Ottawa	9.806 m/s <sup>2</sup>	Zurich	9.807 m/s <sup>2</sup>
Glasgow	9.816 m/s <sup>2</sup>	Paris	9.809 m/s <sup>2</sup>		



# Units

All the available units and the order they appear in the display are as follows:



The units to be used can be selected in the function setting mode. The displaying order of the selected units is the same as above, while skipping the units that are not selected.

For detailed information about selecting units, see “Function Setting”.

# Function Setting

## Selecting Units

1. While pressing the [UNITS] key, press the [ON:OFF] key to turn the scale on. **Unit** will be displayed.
2. Press the [RE-ZERO] key once. **Unit g** will be displayed.
3. Each time the [RE-ZERO] key is pressed, the display switches between **Unit g** and **Unit g**.

Note: The STABLE indicator in the upper left corner of the display indicates that the unit is selected and can be used for weighing.

4. Press the [UNITS] key to select a unit. Units are displayed in turn, as shown below:  
tola **t** → ounce (avoir) **oz** → troy ounce **ozt** → pound ounce **lb oz** → Taiwan tael **tl**  
→ Hong Kong tael **tl**.
5. Select a unit to be used and press the [RE-ZERO] key to display the STABLE indicator.
6. Press the [UNITS] key. **End** will be displayed blinking.  
Press the [RE-ZERO] key. The new setting will be stored and the display will stop blinking. After a second, the scale will automatically return to the weighing mode.

## Changing the Decimal Point Type / Changing the Filter

1. While pressing the [UNITS] key, press the [ON:OFF] key to turn the scale on. **Unit** will be displayed.
2. Press the [UNITS] key. **Pnt.** will be displayed. When the decimal point type is not to be changed, go to step 4.
3. Each time the [RE-ZERO] key is pressed, the display switches between **Pnt.** and **Pnt.**.  
Select the decimal point type to be used.
4. Press the [UNITS] key. **Flt** will be displayed. When the filter is not to be changed, go to step 6.
5. Each time the [RE-ZERO] key is pressed, the display switches between **Flt** and **Flt**.  
Select the filter to be used.

Note: **Flt** has been set at the factory before shipping. **Flt** is a filter with different frequency characteristics. Select one appropriate to the operating environment.

6. Press the [UNITS] key. **End** will be displayed blinking.  
Press the [RE-ZERO] key. The new setting will be stored and the display will stop blinking. After a second, the scale will automatically return to the weighing mode.