HL–i series Digital Compact Scale
Operating Instructions

Cautions

❑ Avoid installing the scale in direct sunlight.
❑ Avoid over / shock load that could cause damage to the scale.
❑ Use the scale under conditions of -10°C to 40°C, less than 85% R.H.
❑ The weighing pan cannot be removed. Do not pull on up it.
❑ Do not mix the battery types. Replace all of the batteries at same time.
❑ If the scale is not to be used for a long period of time, remove the all batteries.
❑ Use only the specified AC adapter for the scale (AC adapter is optional).

Specifications

HL-200i	200 x 0.1 g / 7.05 x 0.01 oz / 1000.0 x 0.5 ct / 5.335 x 0.005 tl
HL-2000i	2000 x 1 g / 70.5 x 0.1 oz / 4 lb 6.6 oz x 0.1 oz / 53.35 x 0.05 tl
Power	4 x "AA" size batteries (monitor batteries included) or AC adapter
Battery life	Approximately 1000 hours with alkaline cells at 20°C / 68°F
Pan size	ϕ 130 mm / ϕ 5.1 in.
Dimensions	130 (W) x 192 (D) x 51 (H) mm / 5.1 (W) x 7.6 (D) x 2.0 (H) in

Keys and Symbols

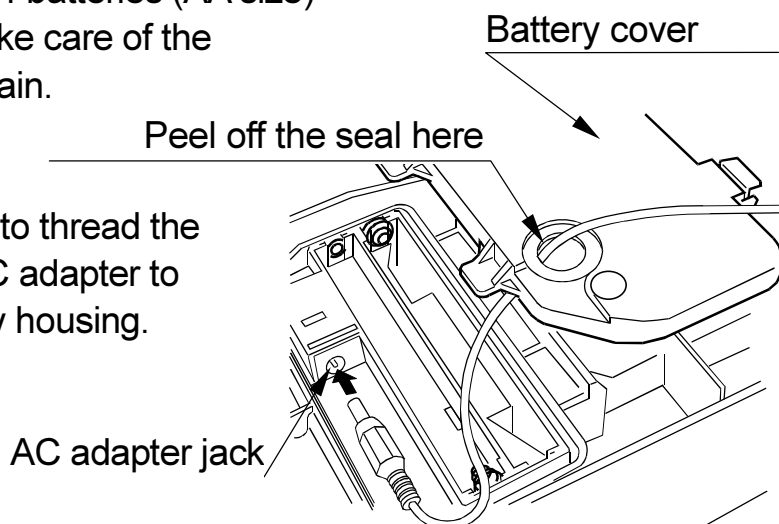|	
ON:OFF key	Turns the scale power on/off.
RE-ZERO key	Sets the display to zero.
UNITS key	Changes weighing units.
Symbol STABLE ⦿	Indicates when the reading is stable.
Symbol ZERO ◂	Indicates when the scale zero is correct.

Installing batteries / Connecting the AC adapter

Installing / Replacing Batteries

Remove the battery cover and insert 4 batteries (AA size) into the battery housing, especially take care of the polarities. Attach the battery cover again.

Battery cover

Peel off the seal here

AC adapter (optional)

Peel off the seal on the battery cover to thread the AC adapter wire through. Plug the AC adapter to the AC adapter jack inside the battery housing. Attach the battery cover again.

AC adapter jack
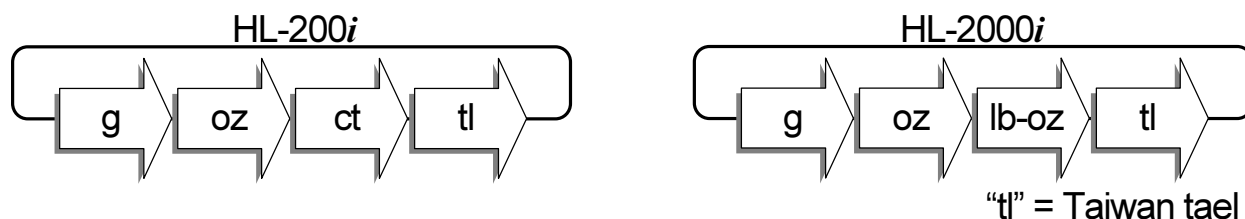
Weighing procedures

1. Turn on / off the scale

Press the ⌐ON:OFF⌐ key to turn on the scale. The scale displays all segments for a few seconds and then displays zero.

Press the ⌐ON:OFF⌐ key again to turn the scale off.

2. Select the weighing unit

Press the ⌐UNITS⌐ key to select a weighing unit from "g", "oz", ct (HL-200i only) , "lb-oz" (HL-2000i only) or "tl". Normally the scale displays "g" when is shipped from the factory. _To turn on with other units_, turn the scale off. Press and hold the ⌐UNITS⌐ key, then press the ⌐ON:OFF⌐ key. The scale will start with the next unit.

HL-200*i*

g → oz → ct → tl

HL-2000*i*

g → oz → lb-oz → tl

"tl" = Taiwan tael

3. Weighing

Verify the reading is zero. If not, press the ⌐RE-ZERO⌐ key to zero the display.

If you use a container for weighing, place an empty container on the weighing pan and press the ⌐RE-ZERO⌐ key to zero the display.

Place the objects to be weighed on the pan or in the container. When the reading becomes stable, the STABLE indicator ◐ is displayed.

Note

Automatic power–off function

If the scale is left ON and the STABLE indicator ◐ is displayed, the automatic power-off function turns the scale off after approximately 5 minutes.

To disable or enable this function, press the ⌐ON:OFF⌐ key while pressing the ⌐RE-ZERO⌐ key. When the scale is turned on, ⌐P- XXX⌐ (XXX = 1.00 etc.) is displayed and this function is disabled. If ⌐P- XXX⌐ is not displayed, then the function is enabled.

Error message

E	Overload. Remove the objects from the pan.
Lb	Low battery. Replace the batteries with new ones.

Calibration

For information about calibration, please visit the A&D website (http://www.aandd.co.jp/).

HL-*i* series Digital Compact Scale Calibration Instructions

❑ Warm up the scale for more than 5 minutes. Refer to the instruction manual for how to disable the automatic power-off function, if necessary.

1. Calibration weight

Calibrate the scale with calibration weights equivalent to capacity.

> HL-200*i* :   200g ± 0.02g
> HL-2000*i*:   2000g ± 0.2g

2. Calibration procedures

(1) Start with the scale turned off. Press the ⏎ON:OFF⏎ key while pressing both the ⏎RE-ZERO⏎ key and ⏎UNITS⏎ key. ⏎Cal⏎ will be displayed.

(2) Press the ⏎RE-ZERO⏎ key to calibrate zero. ⏎Cal 0⏎ will be displayed. Make sure there is nothing on the weighing pan. Wait for the stable indicator to be displayed and press the ⏎RE-ZERO⏎ key. ⏎Cal f⏎ will be displayed in a few seconds.

(3) Place the calibration weight on the center of the weighing pan. Wait for the stable indicator to be displayed and press the ⏎RE-ZERO⏎ key. The display will show ⏎end⏎.

(4) Remove the calibration weight and the scale will automatically return to the weighing mode.

(5) Place the calibration weight on the center of the weighing pan again and check the calibration has been done correctly.

❑ If you press the ⏎UNITS⏎ key at step (2), a 4 digit number will be displayed. Press the ⏎UNITS⏎ key again to return to ⏎Cal⏎.

End of calibration instructions.