

600 g x 0.1 g, with counting

DIGITAL SCALE

Model : GM-600G



Your purchase of this DIGITAL SCALE marks a step forward for you into the field of precision measurement. Although this DIGITAL SCALE is a complex and delicate instrument, its durable structure developed. Please read the following instructions carefully and always keep this manual within easy reach.

OPERATION MANUAL

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1. FEATURES

- * 600 g measuring capacity with 0.1 g resolution.
- * Full capacity tare function capability.
- * Net weight, gross weight display.
- * With counting scale function.
- * Digital display, easy measurement.
- * Back light LCD display.
- * Gram, pound display unit.
- * Auto power off.
- * Auto calibration capability.
- * Durable & portable housing plastic case.
- * LOAD CELL transducer, high precision.
- * Use exclusive microprocessor LSI-circuit, high reliability.
- * Battery or DC 9V adapter power supply.

2. SPECIFICATIONS

Display	5 digits w/annunciator. 15 mm (0.59 mm) digit height.
Measuring Capacity	600 g/21.12 oz.
Resolution	0.1 g/0.005 oz.
Min. Display Weight	0.3 g/0.015 oz.
Accuracy	$\pm (0.1 \% + 2 d)$ <i>* After the calibration.</i>
Unit Select	g or oz.
Function	Weight scale, Counting scale.
Sampling Time	Approx. 0.8 second.
Tare Control	Full capacity.
Transducer	Load cell.
Circuit	Exclusive LSI-circuit.
Over Load Indicator	Show " EEEEEE ".
Cabinet Size	150 x 145 x 48 mm (5.9 x 5.7 x 1.9 inch)
Platform Size	195 x 150 mm. (7.7 x 5.9 inch)
Power Supply	6 x 1.5V AA (UM-3) batteries, or DC 9V adapter.
Power Consumption	Approx. DC 15 mA.
Accessory Included	Operation manual.....1 PC.

3. FRONT PANEL DESCRIPTION

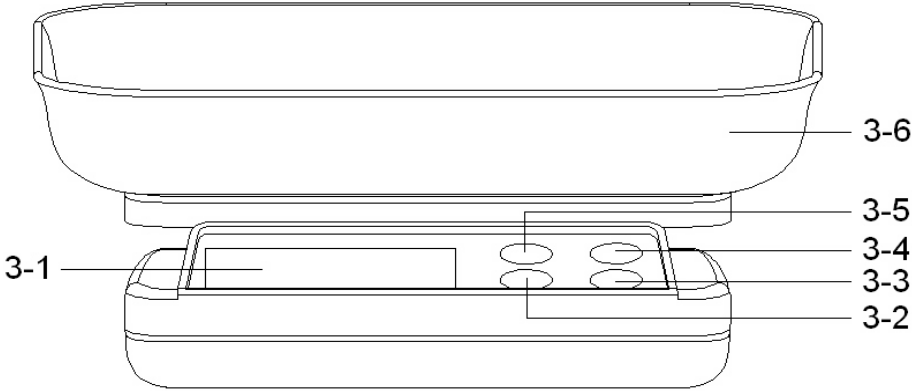
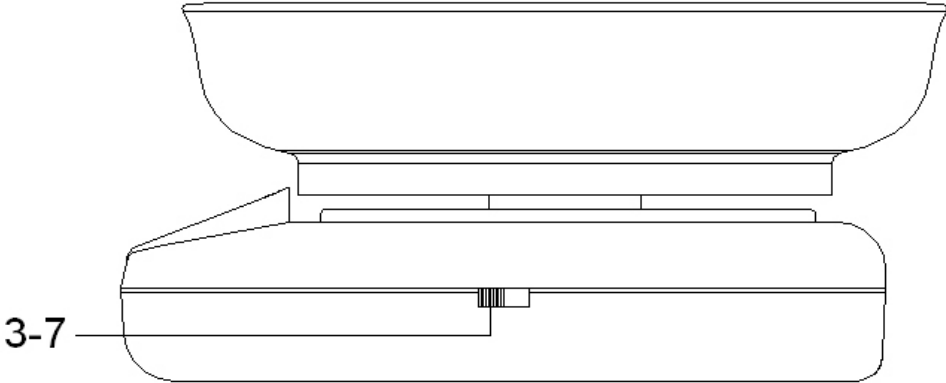


Fig. 1



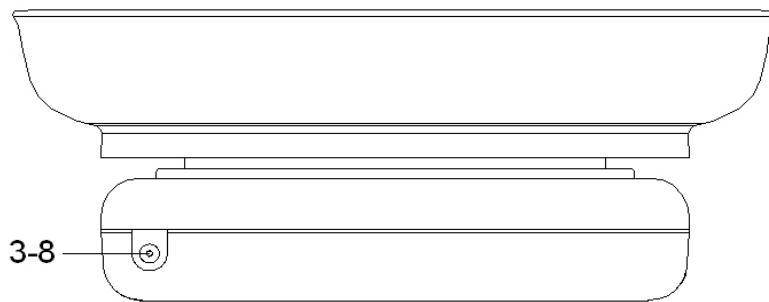
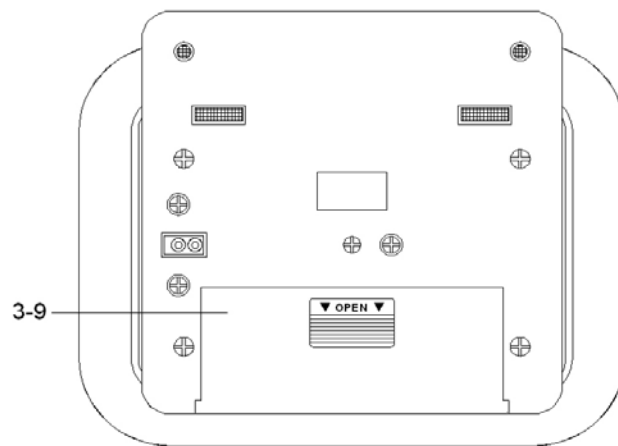


Fig. 1



- 3-1 Display
- 3-2 N/G Button (Net/Gross Weight Button)
- 3-3 TARE Button
- 3-4 Power Button
- 3-5 MODE Button
- 3-6 Platform
- 3-7 Power Slide Switch
- 3-8 DC 9V receptacle
- 3-9 Battery Cover/Compartment

4. MEASURING PROCEDURE

Power management

- * Set the " Power Slide Switch " (3-7, Fig. 1) to the " ON " position.
- * Push and release the " Power Button " (3-4, Fig. 1) will power on the scale and the LCD will be light. Push and release the " Power Button " again will power off the scale and the LCD will be off.
- * If the long period not intend to operate the scale, it should set the Power Slide Switch " (3-7, Fig. 1) to the " OFF " position.

- 1) Considering the environment satiability, before the operation it should let the scale stay the measurement environment at least 10 minutes.
- 2) a. If intend to measure the weight of small particle or liquid, then it can use the small container as the interface.
b. Before make the measurement, put the container (or bowel) on the platform as the interface, power on the scale, push the " Tare Button " (3-3, Fig. 1), the display will show " Zero " weight, then put the weighting material (or liquid) into the container, LCD will show the weight value.
- 3) Press the " MODE Button " (3-5, Fig. 1) once, it can select the weight unit from g (Gram) to oz (ounce).

4) **Over load indication :**

When the display show " EEEEE ", it means the weight load is over indication.

Under this situation, please do not increase the weight load, other it may harm the load cell and without warranty.

5) **TARE/Zero function**

After finish the first load weight measurement, push the " Tare Button " (3-3, Fig. 1) and release, the display will show " Zero " weight value,

@ If the first load weight value is < 20 gram, after push the " TARE Button ", LCD will show the " $\rightarrow \text{O} \leftarrow$ " indicator.

@ If the first load weight value is ≥ 20 gram, after push the " TARE Button ", LCD will show the " TARE " indicator.

Then put the second load on the platform, the scale " Display " (3-1, Fig. 1) will show the weight value of second load exactly.

Gross Weight, Net Weight


After the display show " TARE " indicator (If the first load weight value is \geq 20 gram).

- * Push and release the " N/G Button (Net/Gross Weight Button) " (3-2, Fig. 1) will show the gross weight value (the first load weight value + second load weight value), the " TARE " indicator will be disappeared.
- * Push and release the " N/G Button " (3-2, Fig. 1) again, will return to show the net weight value (the second load weight value), the " TARE " indicator will show on LCD again.

6) Counting Scale

- a. Press the " MODE Button " (3-5, Fig. 1) once until the indicator show to the " PCS "
- b. Press the " N/G Button " (3-2, Fig. 1) once can select the counting sample no. (S=10, S=20, S=50, S=100).
- c. After the counting sample no. be selected (for example S=20), then put the samples (for example 20 PCs) on the platform.
Press the " MODE Button " (3-5, Fig. 1) once, the display will show " CAL " then return to counting no., now the scale is ready for the counting measurement.

5. BATTERY REPLACEMENT

If battery is weak, LCD display will show "  " indicator. This reminds user to replace new battery.

- 1) Open " Battery Cover " (3-9, Fig. 1) located at the bottom of the scale.
- 2) According to the device instruction, place batteries (1.5V AA size battery x 6 PCs) into the battery compartment & replace the battery cover.

6. DC 9V AC/DC ADAPTER OPERATION

- 1) The scale will also be operated by the household ACV power source (110/220/240 ACV) with a DC 9V AC/DC Adapter (optional, capacity 300 mA min.).
- 2) Plug the jack from the Adapter into the " DC 9V receptacle " (3-8, Fig. 1).
- 3) Now the scale is ready for ACV operation.

7. CALIBRATION PROCEDURES

- 1) Set the " Power Slide Switch " (3-7, Fig. 1) to the " ON " position.
- 2) Let the scale not power ON (LCD is not light). Press the " TARE Button " (3-3, Fig. 1) continuously at least 3 seconds until the display show the offset value (for example -8326...) then release finger from the " TARE Button ".
- 3) Push the " TARE Button " (3-3, Fig. 1) once a while, the display will show the calibration value (500 g).
- 4) Put the 500 gram standard weight on the platform, push the " TARE Button " (3-3, Fig. 1) once a while, the display will show " PASS " and finish the calibration procedures.