GEMPRO®
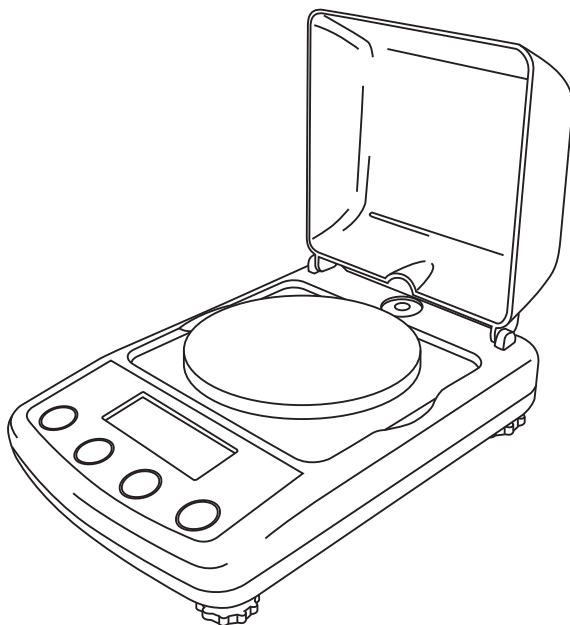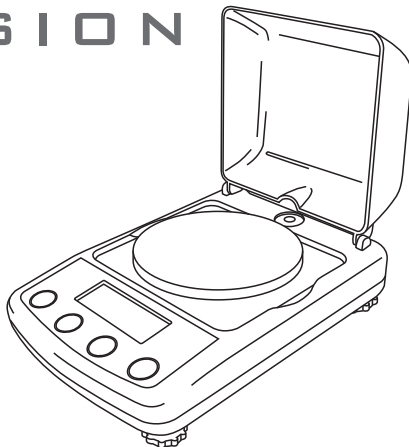# PRECISION

USER MANUAL

ENGLISH

USER MANUAL

Thank you for purchasing the My Weigh® Gempro® digital scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service. For more information please visit **www.myweigh.com**.

Never load the scale with more than the maximum capacity. Although the Gempro® is designed to be extremely durable with extra overload protection built into the case, overloading will permanently damage it! Avoid any exposure to extreme heat or cold, your scale works better when operated at normal room temperature. Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and/or a close proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale. Handle with care. Gently apply all items to be weighed onto tray top and remove them quickly after reading. Avoid shaking, dropping or otherwise shocking the scale. Scales are delicate instruments and unlike cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible, however there is no way for us to protect 100% against load cell or sensor damage. Failure to follow these instructions will void your warranty.

Always allow the scale to acclimate to normal room temperature for at least one hour before use. Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.

OPERATING INSTRUCTIONS - WEIGHING

1) Place the scale on a flat hard surface.
2) Press and release the **[On/Off]** key.
3) Wait until the displays shows "0.000".
4) Gently place the items to be weighed on the tray.
5) Close the wind cover.
6) The weight will be displayed on the LCD.

BATTERIES - AC ADAPTER

Low Batteries & bad battery connections are the #1 cause of scale malfunction and inaccuracy! We test all of our scale returns from consumers. 60% of consumer returns are battery related problems. This sounds silly but it's true! A scale will perform slowly, or read inaccurately when it has low batteries. Please replace the batteries often (and only use good quality batteries). We include good quality batteries with all of our scales but batteries can run low in storage. If your scale simply won't turn on while on battery power, this is often caused by loose battery connections. Battery prongs (terminals) are made of metal. They must be making good contact with your batteries in order for the scale to power on. Also some poorly designed batteries have recessed or partially obstructed battery terminals. This may cause your prongs to be touching the plastic housing of the battery instead of the metal battery terminal.

1) 4 x AAA Heavy Duty or Alkaline batteries are required.
2) To install batteries: Release the battery cover by sliding the locks in-wards. Place batteries into battery compartment aligned correctly. Replace battery cover and lock it. The scale is now ready for battery operation.
DO NOT USE EXCESSIVE FORCE AND DO NOT PRESS ON THE TRAY!

* Remove the batteries if you plan to store the scale for longer then 14 days. It is possible to power the scale via the DC-6V / 200mA Adapter included with your scale.

CALIBRATION

Calibration may be required when the scale is first set up for use, or if the scale is moved to a different altitude or new location. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations can occur.

Pre-Calibration
1) Remove all objects from the platform, turn the scale ON and press **[Tare]** to set the display to zero.
2) Press **[Light]** once.
3) Press **[Units]** to select "SCALE" (scale sensitivity - normal calibration) or "LINE" (calibrate the scale linearity).
4) Once you are satisfied with the selected setting, press **[Tare]** to confirm and proceed to the steps below.

If "SCALE" (scale sensitivity - normal calibration) was selected
5) The display now shows a calibration weight value (i.e. 20.000g). Press **[Units]** to select a different calibration weight value.
6) Once you are satisfied with the selected setting, press **[Tare]** to confirm.
7) The display will now show "0" and after few seconds it will return to the calibration weight value (i.e. 20.000g). Place the correct calibration weight on the center of the platform.
8) After a few seconds the display will stop flashing, then show the calibration weight value again (i.e. 20.000g). This means that the calibration is complete.

If "LINE" (calibrate the scale linearity) was selected
5) The display now shows "0" then 1/3 (or 1/2) of the weight value of its full capacity (i.e. 10.000g). Gently place the corresponding weight on the center of the platform.
6) After a few seconds, the full capacity weight value appears (ie 50.000g). Gently place the corresponding weight on the center of the platform.
7) After a few seconds the display stops flashing and shows the original calibration weight value (i.e. 20.000g). Calibration is complete.

NOTE: The scale linearity has been factory calibrated, this type of recalibration is not necessary unless you need to change or alter the load cell or adjust for certain types of environments, damage or errors.

FEATURES

Power Up Segment Test
When first turning the unit on, all segments of the display will appear. This display will then go through a starting count-down.

Stable Reading Indication
This is a very precise scale – the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds.

Overload
When an applied load exceeds the capacity. "Err 1" will appear on the display. Remove excessive load immediately. The unit may return to normal operation. Remember: You can permanently damage the scale and void your warranty by overloading it!

Negative Value
Any tared value will be displayed as a negative number once all weight is removed, press **[Tare]** or cycle the power to re-zero the scale.

Auto-off
An auto shut off feature is provided to conserve battery power. It allows the unit to automatically turn off after a set time.
Programming instructions:
1) Press **[Light]** three times;
2) Press **[Units]** to change the setting from "off" to "540 s" (off to 540 seconds);
3) Once you are satisfied with the selected setting, press **[Tare]** to confirm.

Adjustable Accuracy (only on Gempro® 250)
The Gempro® 250 has two Carat modes. One reads in 0.001g/0.005ct increments and the other reads to 0.002g/0.01ct. This was done so that jewelers can choose which accuracy they require for their use. We suggest to use 0.002g/0.01ct when possible for maximum accuracy.
Programming instructions:
1) Press **[Light]** four times, "inC" appears.
2) Press **[Units]** to select 0001 (division = 0.001g/ 0.005ct) or 0002 (division = 0.002g/ 0.01ct).
3) Once you are satisfied with the selected setting, press [Tare] to confirm.

Backlight
This balance is equipped with a backlit display for easier reading. Programming instructions:
1) Press **[Light]** twice;
2) Press **[Units]** to select F1 (backlight turns on automatically), F2 (backlight always on) or F3 (backlight is always off);
3) Once you are satisfied with the selected setting, press **[Tare]** to confirm.

Wind cover
The protective wind cover of the Gempro® is designed to protect the tray and the items placed on it from air currents, thus greatly improving the accuracy of the readings.

Leveling system
The balance must be in an exact horizontal position in order to achieve accurate measurement results. In order to bring the balance into a horizontal position, the adjustable feet are turned either clockwise or counter-clockwise until the air bubble on the top/back is in the center of the marked circle.

KEY PAD FUNCTIONS

[On/Off]
Press and release this key to turn the scale ON or OFF.

[Units]
Press this key to switch between weighing units for g/oz/ozt/dwt/gn/ct.

NOTE: the Gempro® 250 has two Carat modes. One reads in 0.001g/0.005ct increments and the other reads to 0.002g/0.01ct. This was done so that jewelers can choose which accuracy they require for their use. We suggest to use 0.002g/0.01ct when possible for maximum accuracy. Programming instructions are shown in the "Alternative division" section of this manual.
[Units] is also used as a selection key when setting up the scale.

[Light]
This key is used to set-up the various customizable functions of the scale, including the light timer.

[Tare]
Press **[Tare]** to reset the scale to zero. **[Tare]** can be used for eliminating the weight value of an empty container. Place an empty container on the scale and press **[Tare]** . Then place the items to be weighed in the container. Simply place items to be weighed on the tray, press **[Tare]** then remove the items. NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Press **[Tare]** again to return the scale to zero.

[Tare] is also used as a validating key when setting up the scale.

SPECIFICATIONS

Capacity & Precision	**GEMPRO®-250** – 50g x 0.001g / 250ct x 0.005ct
	GEMPRO®-500 – 100g x 0.002g / 500ct x 0.01ct
Units	g, oz, ozt, dwt, gn,ct
Auto-OFF	OFF, 60, 120, 180, 240, 300, 360, 420, 480 or 540 sec.
Scale dimension	142mm x 96mm x 60mm
Tray dimension	Ø 70mm
Scale weight	224g
Operating temperature	Optimum 10-30℃ (50-86℉)
Power Source	4 x AAA batteries or DC-6V / 200mA Adapter

STAINLESS STEEL TRAY · BACKLIT · AC INCLUDED · CE · AUTO OFF ENERGY SAVING · ADVANCED DIGITAL WEIGHING TECHNOLOGY ADWT · LIFETIME 30 INTERNATIONAL WARRANTY LIFETIME/30 YEAR

www.myweigh.com