When the scale is on, press (On/off) to turn off the scale.

3.2 Pre-Calibration

To calibrate the scale please follow these instructions:
First remove all objects from the platform, then press (Tare) to set the display to zero. Press (Light) the display will show "SCALE" or "LINE". "SCALE" means to calibrate the scale sensitivity (normal calibration); "LINE" means to calibrate the scale linearity. Press (Tare) to confirm (If you press (Units), the two kinds of calibration can be interchanged. Please proceed to the next step below)

3.2.1 Sensitivity (regular) calibration

When calibrating the scale sensitivity, two different weight values can be used. According to the shown calibration weight value (ie 20.000) on the display, press (Units), to select which calibration weight value you want to use, then press (Tare) to confirm. The display will now show "**0**". In a few seconds, the display will change back to the calibration weight value (ie 20.000). Place the correct calibration weight on the center of the platform.

In a few seconds, the display will stop, and then show the calibration weight value again (ie 20.000). This means calibration is complete.

3.2.2 Linear calibration

When the display is showing "LINE", press (Tare),the scale will display "**0**". In a few seconds the scale will show 1/3 (or1/2) of the weight value of it's full capacity (ie 10.000); put the corresponding weight on the center of the platform. In a few seconds, the full capacity weight value will be shown(ie 30.000). place the corresponding weight(30g) on the center of the platform. In a few seconds the display will stop flashing and it will show the original calibration weight value

(ie 30.000). Calibration is complete.

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

3.3 Changing Weighing Units

With the scale powered ON, , press (Units) to change between the following units:

g—oz—ozt—dwt—gn—ct*

Note that 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 later in this manual.

Note: The scale has last unit memory, so when you turn it off and back on it will show the last unit used.

3.4 Tare

With the scale powered ON, press (Tare) to set the display to zero.

3.5 Backlight

Press (Light) twice **F1** will appear, and the light (10d) may turn on automatically.

Press (Units) to select **F2**, this means the backlight is always on;

Press (Units) to select **F3**, this means the backlight is always off ;

Press (Tare) to confirm, the backlight can be set to different states.

3.6 Auto Off

When this function is selected, the scale will turn off if it is idle for the selected period of time (1-9 minutes). Choose "OFF" to disable the function, or choose the setting ranging from 60 seconds to 540 seconds (user selectable)

Operation is done as follows:

(1)Press (**Light**) three times, "OFF--540 S" appears ;

(2)press (**Units**) to change the setting;

(3)press (**Tare**) to confirm the setting.

3.7 Alternative division(only Gempro-150/250 has this function)

Press (**Light**) for four times, "I**nC**" appears.

Press (**Units**) to select 0001, this means the division is 0.001g/ 0.005ct.

Press (**Units**) to select 0002, this means the division is 0.002g/ 0.01ct.

Press (**Tare**) to confirm, the division can be set to two different states.

4．Important information:

**The scale must not be dropped, shocked or damaged by any type of solvent or cleaning agent.　This will void your warranty and damage the scale.

Do not weigh near any radioactive substances or any magnetic items.　They can affect the weighing accuracy temporarily or even permanently.**

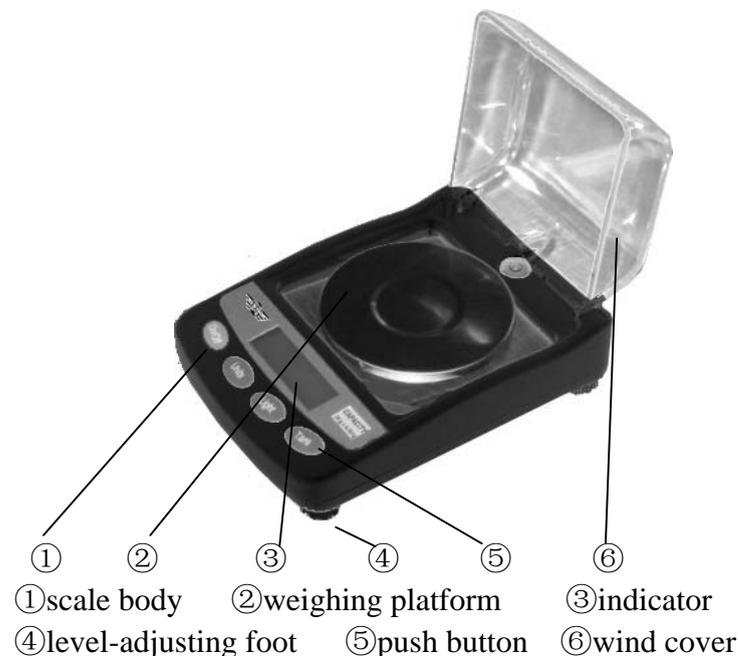**Remove the batteries when the scale is not in use to prevent corrosion.

**Please clean the scale only with a damp cloth.

**Never overload the scale – permanent damage can occur and

1. Description

The Gempro is a high precision weighing scale. It has accessories and technology that prevent air movement from affecting it's measurements as well as static electricity resistance, multiple units, re-calibration and a backlight. It also has a portable carrying box and can be used with either batteries or AC adaptor.

2. Construction

①scale body　　②weighing platform　　③indicator
④level-adjusting foot　　⑤push button　⑥wind cover

3. Operation instruction

3.1Turn on/off

Put the plug into the socket at the back of the scale and

connect with the AC adaptor (or use 4 AAA batteries). Press (**on/off**) to turn on the scale.

this is not covered by the MW warranty program!

**When weighing place all items on the center of the tray. After the reading has shown remove the items immediately. This will prolong the longevity and accuracy of this instrument. Do not leave items on the tray when not in use.

6. Specification

Model	GEMPRO-150	GEMPRO-250	GEMPRO-500
Capacity and Readability(**g**)	30g× 0.001/0.002	50g× 0.001/0.002	100g× 0.002
Pan Size mm	Φ70	Φ70	Φ70

GEMPRO *SERIES*

ELECTRONIC SCALE
INSTRUCTION MANUAL