SPECIFICATIONS

Weight Capacity:	0.0 to 300.0 grams
	0.000 to 10.580 ounces
Weight Resolution:	0.1 grams
	0.005 ounces
Scoop Volume	32 milliliters / 1.1 fluid ounce

GENERAL WEIGHT MEASUREMENT

1. Insure there is no material in the spatula scoop.
2. Press the ON/TARE button to turn the unit on.
3. Hold the unit level and verify that the display reads zero.
   If the display does not read zero when being held level, press the ON/TARE button to zero the display. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.
4. Place or scoop the material to be weighed into the spatula scoop.
5. Hold the unit level.
6. Read the value on the display.
7. Press and hold the ON/TARE button for three (3) seconds to turn the unit off. Always turn the unit off when not in use to preserve battery life.

PRECISION WEIGHT MEASUREMENT

1. Insure there is no material in the spatula scoop.
2. Place the unit on a flat, level surface.
3. Press the ON/TARE button to turn the unit on.
4. Verify that the display reads zero.
   If the display does not read zero, press the ON/TARE button to zero the display. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.
5. Place or scoop the material to be weighed into the spatula scoop.
6. Return the unit to the flat, level surface and press down on the unit's handle to prevent the handle from lifting off of the level surface.
7. Read the value on the display.
8. Press and hold the ON/TARE button for three (3) seconds to turn the unit off. Always turn the unit off when not in use to preserve battery life.

DISPLAYING GRAMS OR OUNCES

With the unit on, press and hold the Σ/UNIT button for three (3) seconds to switch between displaying grams and ounces (g/oz).

TARE FUNCTION (NET WEIGHT)

The tare function allows the display to be reset to zero at any time.

The Tare Function may be used to eliminate the weight of a carrier (container, wrapper, liner, etc.) from a sample, when the weighed material is held in a carrier and only the net weight of the material is desired.

1. Insure there is no material in the spatula scoop.
2. Place the unit on a flat level surface.
3. Press the ON/TARE button to turn the unit on.
4. Verify that the display reads zero.
   If the display does not read zero, press the ON/TARE button to zero the display. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.
5. Place the carrier only (without material) into the spatula scoop.
6. Once the reading stabilizes, press the ON/TARE button. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.
7. Remove the carrier from the spatula scoop.

The weight of the carrier will now be removed from the weight shown on the display. When all material is removed from the spatula scoop, the weight of the "tared" carrier will be displayed as a negative number.

8. Place the material to be weighed (including the carrier) into the spatula scoop.
9. Return the unit to the flat level surface and press down on the spatula handle to prevent the handle from lifting off of the level surface.
10. Read the value on the display.

NOTE: The total weight of the carrier plus the material must not exceed the capacity of the unit.

TARE FUNCTION (ADD & WEIGH)

The tare function allows the display to be reset to zero at any time.

The Tare Function may be used to "Add & Weigh", allowing material to be added to the spatula scoop while only displaying the weight of the added material (net weight added).

1. Insure there is no material in the spatula scoop.
2. Place the unit on a flat level surface.
3. Press the ON/TARE button to turn the unit on.
4. Verify that the display reads zero.
   If the display does not read zero, press the ON/TARE button to zero the display. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.
5. Place or scoop the material to be weighed into the spatula scoop.
6. Return the unit to the flat level surface and press down on the spatula handle to prevent the handle from lifting off of the level surface.
7. Read the value on the display.
8. Press the ON/TARE button. The display will reset to zero approximately 1 second after the ON/TARE button is pressed.

The weight of the material in the spatula scoop will now be removed from the weight shown on the display.

9. Place additional material into the spatula scoop.
10. Read the value on the display. The value shown on the display will be the weight of the material that has just been added.

Repeat steps 8 through 10 as desired.

NOTE: The total weight of the material in the spatula scoop must not exceed the capacity of the unit.

When all material is removed from the spatula scoop, the weight of the "tared" material will be displayed as a negative number.

ACCUMULATION FUNCTION (Σ)

The accumulation function allows the weights of material to be added together for a total accumulated material weight without having to combine the material in the spatula scoop to obtain the total accumulated material weight.

1. During measurement, if the weight is more than 0.5 grams (0.02 ounces), pressing the Σ/UNIT button will activate the accumulation feature (Σ will appear on the display).
2. To accumulate additional weights, remove the material, load additional material and press the Σ/UNIT button again, the display will now show the total of the accumulated weights.

Repeat step 2 as often as needed to continue to add to the total accumulated weight.

NOTE: To accumulate weights, each individual weight must be more than 0.5 grams (0.020 ounces), but not greater than 300 grams (10.580 ounces). The maximum total accumulated weight must not exceed 3000 grams (105.81 ounces).

3. To exit the accumulation mode, press the Σ/UNIT button when the spatula scoop is empty.

HOLD FUNCTION

The Hold Function will "freeze" the display at the current reading for ten (10) seconds.

To "freeze" the display at the current reading, press the HOLD button ("HOLD" will appear on the display). The "frozen" value will remain on the display if material is removed from, or added to, the spatula scoop.

NOTE: The weight being measured must be greater than 0.0 ounces/grams in order for the Hold Function to be used. While in this mode, pressing the Σ/UNIT button will exit from the Hold Mode.

Press the "HOLD" button again to return to the weighing mode, or wait for 10 seconds for the display to automatically return to the weighing mode.

AUTOMATIC SHUTOFF

If no button has been pressed for two (2) minutes and the change in the weight being measured is less than 1 gram (0.035 ounces), the Automatic Shutoff feature will turn the unit off to preserve battery life.

IMPORTANT NOTES

The maximum amount of weight placed into, or force exerted on to, the spatula scoop should not exceed 450 grams (15.873 ounces), this will cause permanent damage to the unit.

To insure accurate weights, do not place material into the spatula scoop before turning the unit on.

> When turning the unit on, if material has already been placed into the balance scoop, and the weight of the material is less than 50 grams (1.763 ounces), the unit will automatically tare the weight and display zero (see the "Tare Function" sections).

> When turning the unit on, if material has already been placed into the balance scoop, and the weight of the material is greater than 50 grams (1.763 ounces), the unit will display $OUT2$ and turn off. The material must be removed from the balance scoop prior to turning the unit on.

The detachable spatula scoop is dishwasher safe. The handle is not dishwasher safe, to clean, wipe it with a damp cloth. Do not immerse the handle in water. Do not clean any part of the SpatulaBalance™ with corrosive liquids or harsh cleansing agents or abrasives.

DISPLAY MESSAGES

$OUT2$ Indicates that the weight must be removed from the spatula scoop prior to turning the unit on. If this message appears and no material is present in the spatula scoop, this indicates possible damage to the unit.

$O-LD$ Indicates that the weight of the material being measured exceeds the capacity of the unit.

$UNST$ Indicates that the unit is not being held level or steady and the unit is unable to obtain a proper weight measurement.

LO Indicates the batteries need replacement (see the "Battery Replacement" section).

ALL OPERATIONAL DIFFICULTIES

If this unit does not function properly for any reason, replace the batteries with new high quality batteries (see the "Battery Replacement" section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing the batteries with new fresh batteries will solve most difficulties.

BATTERY REPLACEMENT

An erratic display, faint display, no display, or LO appearing on the display are all indicators that the batteries need replacement. To replace the batteries, remove the battery cover screw (located on the back of the handle). Remove the battery cover. Remove the exhausted batteries and replace them with two (2) new AAA alkaline batteries. Make certain to insert the new batteries with the proper polarity as indicated by the "+" and "−" symbols in the battery compartment. Replace the battery cover. Replace the battery cover screw and tighten securely.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

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Control Company is ISO 9001:2008 Quality-Certified by DNV and ISO/IEC 17025:2005 accredited as a Calibration Laboratory by A2LA.