(**ALS**) American Weigh Scales, Inc.

BLADE Series
Digital Pocket Scale
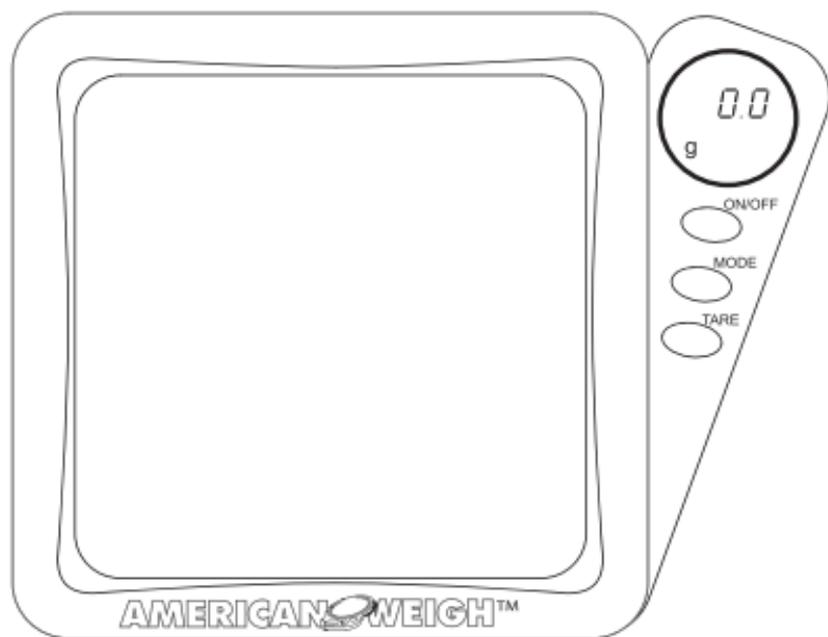
BLADE-*50*
BLADE-*250*
BLADE-*350*
BLADE-*500*
BLADE-*1000*

User Manual

Blade Series Manual

Thank you for purchasing the American Weigh BLADE-Series 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. Never load the scale with more than the maximum capacity. Overloading will permanently damage it! Avoid any exposure to extreme heat or cold. Your scale works better when operated at normal room temperature. Always allow the scale to acclimatize 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.

Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and a close distance 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. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor.

Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and must be handled with extreme care.

Only operate the scale on a stable, vibration free surface.

I. OPERATION

Place Scale on a horizontal flat surface.
1. Press [ON/OFF] key.
2. Wait until "0.0" is displayed.
3. Put the object(s) on the weighing platform.
4. Using the [MODE] key, you can switch between the weighing units.

II. TARE WEIGHING

1. Turn on scale as described above.
2. Place the "tare item" on the platform.
3. Press [TARE] and wait until "0.0" is displayed.
4. Add the "net-weight-item".

III. CALIBRATION

Calibration is NOT required before first use. Only calibrate if scale is not weighing properly.
Make sure you use the correct calibration weight for your scale or the calibration will not be accurate

BLADE-50:	50g calibration weight
BLADE-250:	200g calibration weight
BLADE-350:	300g calibration weight
BLADE-500:	500g calibration weight
BLADE-1000:	1000g calibration weight

1. Turn OFF the scale.
2. Press [ON/OFF] shortly. Then immediately press and hold [MODE] until "CAL" will be displayed. Release the [MODE] key.
3. Press [MODE] again. Now the display reads "CAL" and the required calibration weight will flash 3 times.

4. Place the required calibration weight for your scale on the center of platform. Wait 3-4 seconds. The LCD display reads "PASS".
5. Remove the weight and press [ON/OFF] to turn off the scale. Finished! Repeat if necessary.

IV. TROUBLESHOOTING
The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. This scale is a precise instrument and must be handled with the utmost care and caution.

[Display] Elimination of errors

Nothing, Battery-Symbol, [lo] or [88888]

Change the batteries.

[OUE2] Recalibrate the scale as shown above.

[EEEEE] You are overloading the scale. Remove the excessive load immediately!

[LLLLL] The delicate weighing load cells have been damaged by misusing the scale (i.e. it was shocked, dropped or overloaded). You can try recalibrating the scale. If the load cell has not been damaged too much it will work again after recalibration.

[UNST] Use the scale in a more stable position

Specifications

Model	Blade-250	Blade-350	Blade-500	Blade-1000	Blade-50
Capacity	250g 8.82oz 8.54ozt 160.88dwt	350g 11.35oz 11.25ozt 225.1dwt	500g 17.64oz 16.08 ozt 321.5dwt	1000g 35.27oz 32.15ozt 643.10dwt	50g 1.764oz 250ct 771.5gn
Resolution		0.1g 0.01oz 0.01ozt 0.1dwt			0.2g 0.01oz 0.01ozt 0.1dwt	0.01g 0.001oz 0.05ct 0.2gn
Weighing Units	grams (g), ounces (oz), troy ounces (ozt), pennyweights (dwt)				
Calibration Weight (not included)	200g	300g	500g	1000g	50g
Platform Dimensions (inches)	2.75 x 2.75 (Stainless Steel)				
Scale Dimensions (inches)	3.75 x 3.75 x 0.75				
Power	2 x AAA Batteries (included)				
Gross Weight	0.45 lb		0.51 lb	0.45 lb	0.45 lb