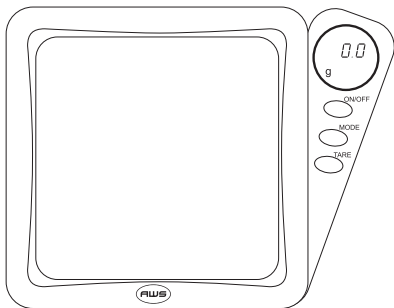(AWS) American Weigh Scales, Inc.

BLADE Series
Digital Pocket Scale

BLADE-*50*
BLADE-*100*
BLADE-*600*
BLADE-*1000*

User Manual

Blade Manual

Thank you for purchasing the American Weigh Blade Series digital pocket scale. Please read all operating instructions carefully before use. Scales are precision instruments and should always be handled with proper care. To ensure years of reliable service, keep these simple tips in mind:

• Do not exceed the scales maximum capacity. Overloading your scale can permanently damage it!
• Avoid exposure to extreme heat or cold. Scales perform best at normal room temperature. If temperatures have changed dramatically, recalibration may be necessary.
• Allow your scale to warm up for 30-60 seconds before performing calibration (if available).
• Store your scale in a clean, dry location. Dust, dirt, and moisture can accumulate on the weighing sensors and electronics causing innacuracy or malfunction.
• Avoid using your scale in close proximity to strong radio wave emitting devices such as computers, cash registers, and cordless phones.
• Always weigh on a flat and level surface, free from vibrations and drafts. The corner of a room is usually the most stable.
• Gently apply all items to be weighed. Do not drop items onto the weighing platform.
• Avoid dropping your scale. The warranty does not cover damage due to rough treatment or overload.

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-100:   100g calibration weight**
> **BLADE-600:   500g calibration weight**
> **BLADE-1000: 1000g calibration weight**

1. Turn ON the scale.
2. Press and hold the [MODE] key until "CAL" is displayed. Release the [MODE] key.
3. Press [MODE] again. Now the display will read "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 will display "PASS".

5. Remove the weight and press [ON/OFF] to turn off the scale. Finished! Repeat if necessary.

IV. BLADE1000 Calibration Procedures

You will need a 1000g (1kg) calibration weight.

1. Turn on the scale by pressing [ON/OFF] key.

2. Wait until the LCD displays "0.0" then press and HOLD the [MODE] key for 3 seconds. The LCD will display "CAL". You can now release the [MODE] key.

3. Press [MODE] key again, the LCD will display "CAL" and "1000.0".

4. Add 1000g calibration weight, the display will show "PASS" and return to normal weighing mode.

5. Put away the calibration weight and press [ON/OFF] to turn off the scale. Finished! Repeat if necessary.

V. 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-600	Blade-1000	Blade-50	Blade-100
Capacity	600g 21.16oz 19.29ozt 385.80dwt	1000g 35.27oz 32.15ozt 643.00dwt	50g 1.764oz 250ct 771.5gn	100g 3.528oz 500ct 1543gn
Resolution	0.1g 0.01oz 0.01ozt 0.1dwt		0.01g 0.001oz 0.05ct 0.1gn (0.2gn minimum)	
Weighing Units	g, oz, ozt, dwt		g, oz, ct, gn	
Calibration Weight (not Included)	500g	1000g	50g	100g
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)			