(AWS) American Weigh Scales, Inc.

CP4-Series
Digital Pocket Scale
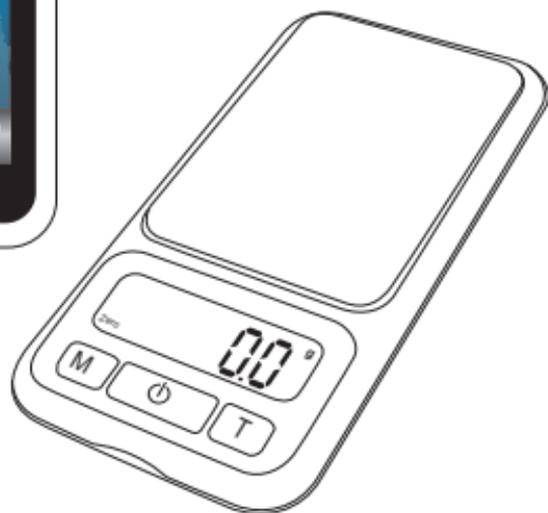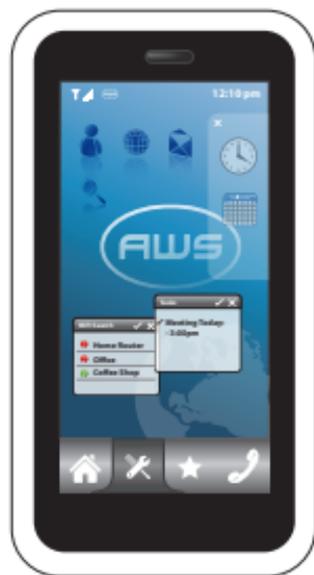
CP4-100 (100x0.01g)   *User Manual*
CP4-650 (65 0x0.1g)

CP4-Series Manual

Thank you for purchasing the American Weigh CP4-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. Battery Installation

Install Negative Side Up

Install Positive Side Up

Negative Terminal

Positive Terminal
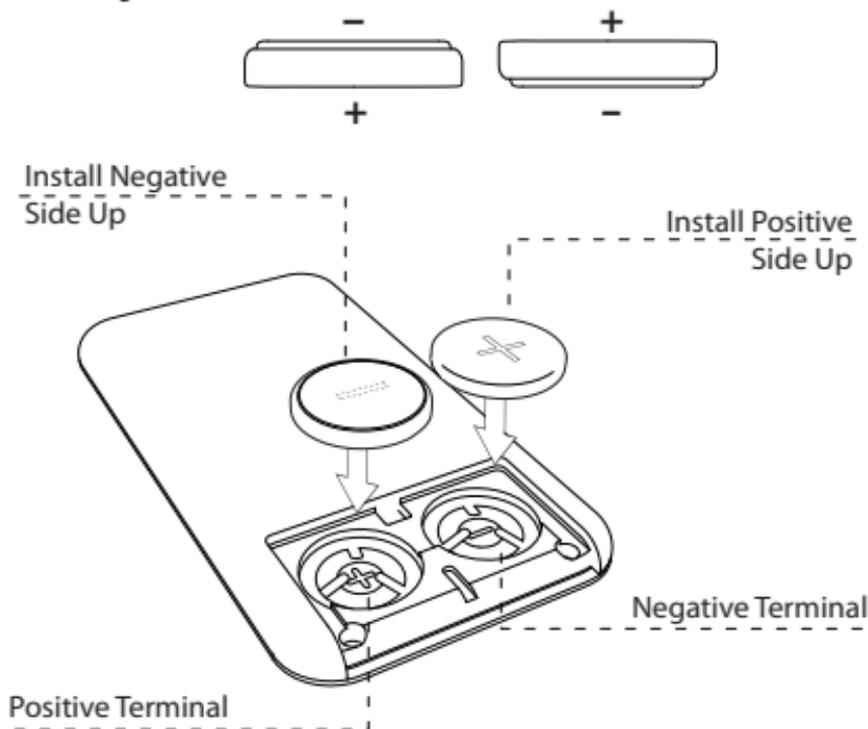
I. OPERATION

Place Scale on a horizontal flat surface.

1. Press [**ON/OFF**] key.
2. Wait until "0.0" or "0.00" is displayed.
3. Place the object(s) on the weighing platform.
4. By pressing the [**UNITS**] key, you can switch between weighing units.
5. By pressing the [**LIGHT**] key, you can switch the back-light on or off.
6. The removable lid can also be used as a weighing tray.

II. TARE WEIGHING

1. Turn on scale as described above.
2. Place a tray or container on the scale platform.
3. Press [**TARE**] and wait until "0.0" or "0.00" is displayed.
4. You can now add items to the container or tray to obtain just the weight of the contents.

III. PARTS COUNTING
All object must be of equal weight for counting to work.
1. Turn on scale as described above.
2. Place a sample quantity (25, 50, 75, or 100pcs) of the material you want to count on the platform
3. Press and hold the [**PCS**] key for 2 seconds until a number is displayed (ie. 100pcs).
4. Press [**UNITS**] to change the sample quantity to match the number you have on the platform.
5. Press the [**PCS**] key again to confirm the number.
6. You may now remove the sample quantity and add any amount of the material to the platform, and the display will show a count.
7. You can switch between weighing and counting mode by pressing [**PCS**] or [**UNITS**] respectively.

IV. CALIBRATION
Calibration is NOT required before first use. Only calibrate if scale is not weighing properly.
The CP4-650 calibrates with a 500g weight (not included). The CP4-100 calibrates with a 100g weight (not included)
1. Turn the scale ON.

2. Hold the [**UNITS**] key for a few seconds. The display will show "CAL".

3. Press the key again. "CAL" will flash, followed by the required calibration weight (ie. 500g).

3. Place the calibration weight onto the platform.

4. The display will show "PASS" then return to normal weighing mode. Calibration is complete!

V. TROUBLESHOOTING

[Display] Elimination of errors

[OUT2] Recalibrate the scale (Section IV).

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

[un2T] Use the scale in a more stable position

Specifications

Model	CP4-650	CP4-100
Capacity	650.0g 22.92oz 20.89ozt 417.95dwt	100.00g 3.527oz 500ct 1543.2gn
Resolution	0.1g 0.01oz 0.01ozt 0.1dwt	0.01g 0.001oz 0.05ct 0.1gn
Weighing Units	g, oz, ozt, dwt	g, oz, ct, gn
Calibration Weight (not included)	500g	100g
Platform Dimensions (Inches)	2.0 x 2.7 " Stainless Steel	
Scale Dimensions (Inches)	4.5 x 2.4 x 0.5"	
Power	2 x CR2032 Batteries (included)	
Warranty	10 Year Warranty	