AWS American Weigh Scales, Inc.

CV-*Series*
Digital Pocket Scale
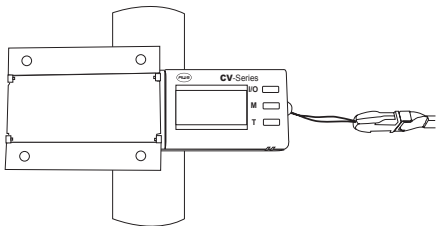
CV-*10*
CV-*100*
CV-*300*

User Manual

Thank you for purchasing the American Weigh CV-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 [I/O] key.
2. Wait until the scale goes to zero.
3. Put the object(s) on the weighing platform.
4. Using the [M] 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. (ie tray)
3. Press [T] and wait until zero 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

CV-10:	**10g calibration weight**
CV-100:	**100g calibration weight**
CV-300:	**300g calibration weight**

1. Turn OFF the scale.
2. Press and hold the [M] key, then tap the [T]. The display will show "CAL".
3. Now release both keys. The internal serial number will display. Press [T] again to zero the scale.
4. Place the required standard calibration weight (not

included with CV-300/CV-100) onto the platform.
5. Press the [T] button again. The display will show the calibration value.
6. Press [T] once more. The display will show "PASS" and automatically turn off. Calibration is complete.

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
[OUE2]	Recalibrate the scale as shown above.
[oL_d]	You are overloading the scale. Remove the excessive load immediately!
[*nothing*]	Readjust or replace batteries.
[8888]	Use the scale in a more stable position

Specifications

Model	CV-10	CV-100	CV-300
Capacity	10g / 6.43dwt / 0.352oz / 0.322ozt / 50ct / 154.4gn	100g / 64.3dwt / 3.53oz / 3.22ozt / 500ct / 1544gn	300g / 193dwt / 10.59oz / 9.65ozt / 1500ct / 4630gn
Resolution	0.001g / 0.001dwt/ 0.001oz / 0.001ozt / 0.005ct / 0.02gn	0.01g / 0.01dwt / 0.001oz / 0.001ozt / 0.05ct / 0.1gn	0.1g / 0.1dwt / 0.01oz / 0.01ozt / 0.5ct / 1gn
Display	5-Digit Backlit LCD Display		
Calibration Weight	10 g	100 g (sold seperate)	300 g (sold seperate)
Platform Dimensions (inches)	2.6 x 2.1" (unfolded)		
Scale Dimensions (inches)	5.0 x 1.5 x 1.0" (closed)		
Power	3 (three) LR-44 "calculator" Batteries (included)		
Product Weight	2 oz		