


## User Calibration

In case of severe overload the scale may lose its accuracy. Re-calibration of the scale may be needed. The load cell of this precision scale is normally protected against overloaded weight applied slowly, but extreme overload caused by dropping the scale or dropping something heavy on the scale may require re-calibration.

**CAUTION:** Please do not attempt any calibration by yourself unless you have a 5lb weight available.

Make sure the scale is connected to the PC via USB cable or to AC mains. Press the ON/TARE key and hold it for about 5 seconds. When the display changes to , release the ON/TARE key. Now the scale is in user calibration mode (the LCD also displays 5lb on the left corner). Put 5lb weight on the platform. After the weight is stable, scale will calibrate itself. Once the calibration is completed, scale will enter the normal weighing mode.

# ELANE

## USB30

**USB Electronic Postal Scale**

**Max. 30lb d=0.1oz**

**3 way power: USB, AC Adapter or Battery**

***With fold-up platform for weighing large flats or mailing tubes***

***Connects with PC to output weight***

***Switchable to 15kg/1g scale***

The USB70 is a high quality precision electronic digital scale with weighing function and USB connection to a computer to output weight in applications. Please read this manual on how to use this product.

## SPECIFICATIONS

<b>Range</b>	: 0 ~ 30lb (0 ~ 15kg) Mechanical overload protection
<b>Tare</b>	: Unlimited to the total capacity of the scale
<b>Accuracy</b>	: $\pm 0.1$ % of reading $\pm 1$ digit
<b>Factory Calibration</b>	: 4 points through the capacity range
<b>User Calibration</b>	: 5lb/2000g
<b>Resolution</b>	: 0.1oz (1g)
<b>Minimum Weight</b>	: 0.1oz (1g)
<b>Min. Add-on Wt.</b>	: 0.1oz (1g)
<b>Power</b>	: AC Adapter: 9V, 100mA (Optional) or USB: Self powered or Battery: 9V alkaline battery (Not supplied)
<b>Warm-up time</b>	: 1 minute or less
<b>Display</b>	: 7-segment 6 digit LCD
<b>Auto Off</b>	: Auto off after 5 minutes of non-use in battery operation
<b>Temperature</b>	: Good performance within 50 to 105 degrees F
<b>Case &amp; Platform</b>	: ABS plastic
<b>Fold up Platform</b>	: For convenient weighing of round and flat objects
<b>Load Cell Technology</b>	: Four optimal placed single precision strain gauges with temperature compensation
<b>Load Cell Body</b>	: High Tensile Strength Aluminum Alloy

## Operating Instructions

### Unpacking and Assembling the Scale

Unpack the scale and if the scale came from a colder or warmer environment let it first stay for some time to be at the same temperature as your current environment. Fix the weighing platform gently to the body of the scale via the four location points. The slope edge of the platform should face the front part. The scale must be installed on a firm and flat surface.

### Using the Scale with Power Adapter

Connect the supplied power adapter to the input socket at the rear of the scale and plug it into the power supply. It is advisable to remove the battery when using the power adapter.



### Using the Scale with Power Battery

Remove the battery compartment cover underneath the scale. Insert a 9V alkaline battery and connect to the battery snap. Replace the battery compartment cover.

### Using the Scale with Computer and USB Power


Connect the square plug of the supplied USB cable to the back of the scale. Connect flat plug of the cable to an available USB port. Windows/Mac will automatically recognize the scale and install the appropriate driver once it is turned on and detected as USB HID device. The power adapter is not necessary when the scale is connected to the computer via USB.

### Scale Startup

With nothing on the platform, press  key.  will appear briefly in the LCD window as the scale performs a self-check/zeroing routine. After which **0.0oz** (or **0g**) will appear in the LCD window. Your scale is now ready to weigh. If you use the adapter or USB power, simply leave the scale always ON for best performance.



### Switching to GRAM Weight Display

The scale is set to display the weight in pounds and ounces by default. The scale can be changed to display weights in grams (g). Turn on scale

and wait until **0.0oz** is displayed. Press the  key for about 5 seconds and then release the key. The display should have changed to **0g**. Repeat the same steps to switch back to pounds and ounces display.

### Tare Function

You can tare (set to zero weight) any item used as a container for other items or liquids in the following way.

If the scale is switched off, press the  key with nothing on the platform and wait for **0.0oz** (or **0g**) to display. Place the container on the platform, and then press the  key. The display will show **0.0oz** (or **0g**) with **T** displayed on the left side of LCD. Place the item to be weighed into the container on the platform. The scale will now show the net weight of the item (minus the container weight).

### Interfacing and Weight Display to PC

Connect the square plug of the supplied USB cable at the side of the scale. Connect flat plug of the cable to an available USB port of the computer. Elane supplies the program for displaying the weight from the scale. A DLL is also available for customized applications using the scale. For more information on how to obtain these programs, please visit <http://www.elane.net> or send email to [onlinesales@xiamentech.com](mailto:onlinesales@xiamentech.com).

### Error Messages



Scale is overloaded.



Low battery indicator. Please replace the battery as soon as possible. Operation with low battery is possible but the accuracy of the scale is affected.

If the scale displays some numbers after startup and cannot proceed to normal weighing mode, the scale might have been overloaded and it requires recalibration. Please see next section on how to calibrate the scale.