



# USA Measurements

"We Outmeasure the Competition"

## US-BL Series Crane Sale Weighing Manual

### Chapter 1: Product Description

US-BL is our new weighing device that makes weighing easy. The included load cells, power supply, and calibration allows the user to start using our crane scale on arrival (Plug and weigh). The LED green display makes it very easy to read the weight in a dark or bright environment. The US-BL has an aluminum alloy housing for a portability, durable construction, and protected from heavy duty use.

The US-BL crane scale is a tested, high quality scales, that offers users a versatile scale to be used in a variety of applications from textile, chemical, pharmaceutical, warehousing and much more. Our US-BL is a great weighing choice to improve efficiency and accuracy.

#### US-BL Crane Scale Specifications:

Model	Cap.	Div. ( e )
US-BL6K	6,000 lb	e= 1 lb
US-BL10K	10,000 lb	e= 2 lb
US-BL20K	20,000 lb	e= 5 lb

#### UB-BL Parameters:

	Based on Model
Accuracy	
Tare	100% Max Capacity
Stable Time	10's
Overload alarm	Max+9e
Max.overload	125% Max Capacity
Power	ACAdapter or Rechargeable Battery
Display	Bright LED, height 30mm/5

## Chapter 2: Product Usage

US-BL has a large digital display 1.2 inches (30mm) and is very bright for use in all environments. The stable light is on the left side of the display. When operating the crane scale and the scale light is on. The stable light will display noting the user that the weight is settled and accurate.

### Key Illustration for weighing:

KEY	Illustrate
A -	Confirm
B - T/O	Tare/Zero
C - ..	Accumulation
D - H	Hold

### Key Operation:

1. Power On: Press the button "On/Off" key and the scale will turn on and do a self count down from 0 to 9. After the count down the scale will auto zero and capacity of the scale either: 6,000 lb (3,000kg), 10,000 lb (5,000kg), or 20,000 lb (10,000kg).
2. Zero: when the scale is turned on and stable. Press the "On/Off" key once to zero out the weight of the scale.
3. Tare: when the scale has the loaded weight on the scale. In order to tare the existing weight press the "tare" key to deduct the weight that was loaded onto the crane scale.
4. Off: Press the "On/Off" key and hold for 3 scales. The scale will show the "pbt so" and after 1 second the unit will power down.
5. Enter parameter settings: Press "tare" key when the power is off and at the same time (while holding tare) press "On/Off" Key.
  - X = 0 show low light display
  - X = 1 show the high light display
  - X = 2 Show the smart light displayBy pressing the "On/Off" key to choose: 0, 1, or 2. Then press the "tare" key to return back to the weighing mode.
6. Display \*-\*: indicates the automatic save power mode
7. Display \_\_\_: Indicates manual save mode

### Remote Control Operation:

1. Hold: Display value is held and then cleared [H]  
Press [H] key, display will lock the weight and will not change.  
Press [H] key again to release the weight & enter normal weighing
2. Zero: when weight is stable press "T/O" key to display the value of 0
3. Accumulation: when the weight is stable press the [ :. ] and will return to weighing mode. (Must be done before 20 seconds of stable weight).  
Continue pressing [ :. ] to accumulate each new item being weighed.
4. Functional Operations for Accumulation: Pres [4] key to display the number of times accumulation was done on the total gross weight. After that the display will return to normal weighing model. (In the above display key, press [T/O] to cancel the accumulated weight and enter back to weighing mode.
5. On/Off saving power mode: Press the "kl]" key for 2 seconds to display the power off and will show: \*-\* to save power will show 0. To return to normal weighing model press the "kl]" key for 2 seconds.
6. Power Off: Press [H] and [T/O] key at the same time. Display will show the capacity, remaining battery, and after 1.5 seconds will show OFF.

### Chapter 3: Technical Specs for Load Cells

Technical manual for wiring diagram on the crane scale load cell. Can be used for future repairs or service needed on the existing load cell.

1. Crane Scale Wiring
  1. +E
  2. +S
  3. -S
  4. -E
  5. GND (ground)
2. CN5: Battery socket
  1. +6V (6V4Ah lead acid battery)
  2. GND (ground)
3. CN6: [On/Off]
4. CN3: [ :. ]

## Chapter 4: Warranty

1. Two year manufacture warranty from the date of sales. The two year warranty covers 1 year on electronics and 1 year on the steel frame.
2. If the user opens and breaks the internal seal the warranty will be voided.
3. Keep the scale far away from any magnetic field, strong corrosive substances, and away from flammable and explosive materials.
4. Unit is not waterproof and if the scale gets moisture on the internal circuit board this will void the warranty.
5. Rechargeable battery is not covered under the 2 year warranty. (In order to keep the battery working over the lifetime of the scale is to charge the battery every month).
6. During transportation of the scale. Be sure to be careful with transporting. If the scale is dropped, hit, or some other type of impact can cause the scale to loose calibration or even damage the load cell.