

Bscale model BS1

USER MANUAL

Safety Precautions

Warning:

- The Bscale device must be disconnected from the baby seat when the seat is being used in the car, or while being in motion.
- Avoid use when any part is broken.
- The Bscale and the MilkSense devices are not a substitute for medical supervision. Be sure to undergo routine checks of yourself and your baby at the appropriate clinic.
- Choking hazard: the device contains small parts.
- Maximum weight of baby + seat should be less than 20Kg. Avoid undue movements that may put your baby at risk.

1. Know Your Device

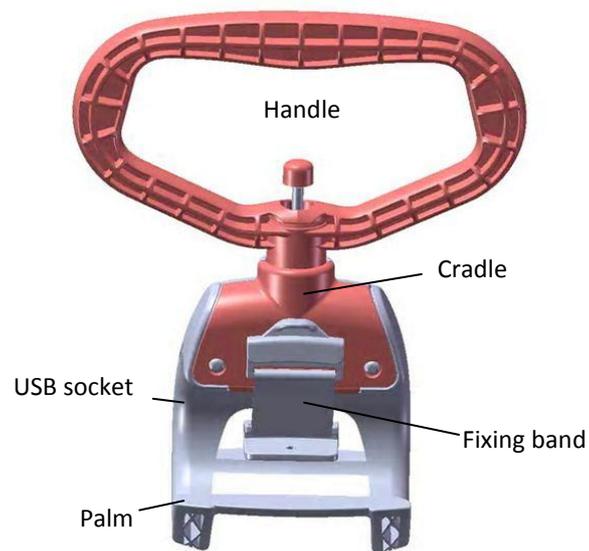


Figure 1. Bscale device

2. Step by step operation

2.1 Install software

The Bscale device can only function when connected via the appropriate USB cable to a PC that runs the "MilkSense PC Suite" software. This Windows PC software is supplied with the purchase of either the Bscale or the MilkSense devices.

Please install the software first by running the setup program.

2.2 Assemble the device on a baby seat

A baby safety seat with a handle (intended for securing babies in cars) can be used for weighing purposes. Place the seat near the computer where the "MilkSense PC Suite" software is installed. Attach the palm of the Bscale device to the handle of the baby seat, and lock with the fixing band (as shown in Fig.2). In its correct position, the handle of the device should rest in its cradle, pointing upwards.

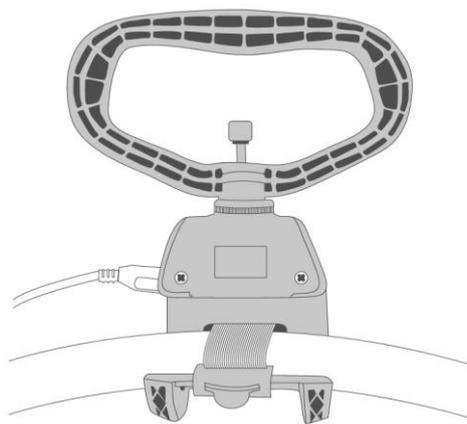


Figure 2. Attachment of the Bscale to a baby seat handle

2.3 Empty seat weighing

Whenever you run the "MilkSense PC Suite", a baby file is automatically opened and is ready to record every weight measurement. The weighing of the empty seat needs to be done once only for each baby file, and needs to be repeated only if the weight of the baby seat is changed. For first time use, the empty seat needs to be weighed.

Follow these instructions:

2.3.1. Run the "MilkSense PC Suite" software, connect the device to the PC by the USB cable provided, and wait for the "Run Scale" button become active.

2.3.2. Make sure that the handle of the Bscale sits in its cradle and is in an upright position. Then click the "Run Scale" button. For the first 3 seconds the zero balancing process will take place and you should not touch the device or its handle.

2.3.3. Change the mode selected in the upper part of the active window to "**Weigh empty seat**".

2.3.4. Hold the handle of the Bscale device and raise the empty seat into the air so the weight of the seat can be registered. The result will appear on the screen showing the weight of the empty seat. You can then replace the baby seat on the ground and leave the handle in its cradle.

2.3.5. Click the OK button to accept the weight of the seat and record it in the baby file.

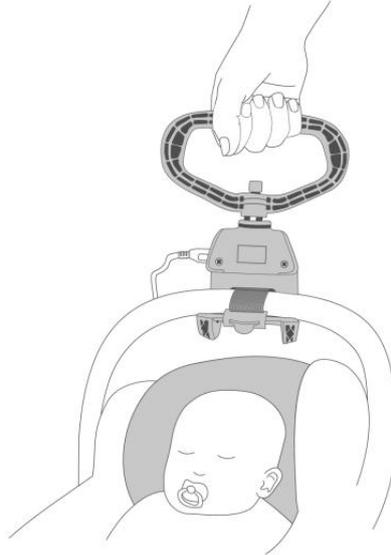


Figure 2. Weighing the baby

2.4 Baby weighing

In order to record the growth progress of your baby, or when you want to weigh the baby before breastfeeding, follow these instructions:

2.4.1. Place your baby in the baby seat and fasten the belts.

2.4.2. Run the "MilkSense PC Suite" software, connect the device to the PC using the USB cable provided, and wait for the "Run Scale" button to become active.

2.4.3. Make sure the handle of the Bscale sits in its cradle and is in an upright position. Click the button: "Run Scale". Wait for zero balancing before touching the device (the handle picture and the label "zero" should disappear).

2.4.4. Select the mode "**Weigh baby**". This sign should appear on the upper part of the active window.

2.4.5. Hold the handle of the Bscale device and raise the seat with your baby slightly above ground level, so the weight of the seat and baby together can be recorded. After the baby weight is displayed (as soon as stability is sensed), you can lower the baby seat to the ground. Please return the handle to its cradle.

2.4.6. Click the OK in order to store the weight of the baby in the baby file.

2.4.7. If the MilkSense device is available then in order to calibrate it, use it now for reference measurement and then feed your baby.

To view the graph of the baby weight /time passing relationship, click on the "baby growth" tab.

2.5 Baby weighing after breastfeeding

After breastfeeding the baby should be reweighed to determine the increase in weight due to the milk intake. Assuming the baby is ready to be seated, follow the steps below:

2.5.1. Place your baby in the seat and fasten the belts.

2.5.2. With the MilkSense device, perform the second measurement on your breast (to collect data for calibration).

2.5.3. Check the handle of the Bscale and make sure it is sitting in the cradle and is in the upright position. Click the button "Run Scale". Wait until zero balancing is achieved before touching the device.

2.5.4. Select the mode "**Weigh baby for milk**" (usually selected automatically).

2.5.5. Hold the handle of the Bscale device and raise the seat holding your baby slightly above ground level, so the weight of the seat plus baby can be registered.. The measurement of milk weight will appear after stability is obtained. Then, lower the baby seat to the ground.

2.5.6. Click the OK button in order to store the milk weight in the baby file.

2.5.7. We recommend taking your baby out of the seat even if he has fallen asleep.

In order to view the expressed milk intake, please click on the "Breast Feeding Data" tab.

3. Calibration of the MilkSense

The Bscale can help calibrate the MilkSense device according to your individual breast. The calibration can be performed only after several steps are taken as described below.

Automatic calibration via the PC software

In order to collect verified data required for the calibration of the MilkSense device, it is possible to use the Bscale. It involves weighing the baby (with clothes on) before and after breastfeeding. The difference between the measurements shows the weight of milk that has been expressed from the breast, which serves to verify the results recorded in the MilkSense. After repeating the process for several breastfeeding sessions (preferably 3 successful sessions for each breast, as instructed in section 2) enough data will be collected in order to perform automatic calibration.

Perform the automatic MilkSense calibration as follows:

Run the MilkSense PC-Suite software, and connect the MilkSense device to the PC via the supplied USB cable. Click the screen button "Read MilkSense". Wait for the download to complete. Then click the "Calibrate" button (enabled after 3 breastfeeding sessions with consistent MilkSense and Bscale data). The new left/right breast calibration factors will appear on the screen at the end of the breastfeeding data list. A V-mark should appear beside the "Calibrate" button if the calibration factors are sufficiently certain; otherwise, more combined MilkSense and Bscale measurements may be required to achieve reliable calibration accuracy.

4. Troubleshooting the Bscale device

Problem	Cause	Correction
No locking on result (bottom line result does not appear)	In baby weighing mode the weight must be larger than 2Kg. Locking on result requires the last 3 second measurements to be stable.	Lift enough weight or lift your baby and hold steady for several seconds.
Scale window is not responsive	The scale passed the time limit for the balance to be valid.	Click cancel or close the window and start it again by clicking the Run Scale button.
Weighing results not repeatable	1. Problem in zero balancing at start of the run. 2. Device is not in line with the center of mass 3. Excessive twist or load moved the sensor out of the center.	1. Validate that during zero balancing the handle rests in its cradle. 2. Attach the device to the center of the baby seat handle. 3. Check that the sensor bar is in correct position or try to move the arm to center.
Communication fault	USB cable disconnected or stuck.	Try to reconnect the USB cable; do not twist the plug up and down - only to the sides if needed.

5. Technical Data

Product: Bscale model BS1

Technical Description: USB operated Hanging scale, designed to weigh baby before and after breastfeeding by lifting the baby in a safety seat.

Maximum load: 20Kg

Accuracy in determining amount of fed milk: better than 10gr

Rated supply voltage: 5Vdc sourced from USB cable

Service Life: At least 1 year

Operating Temperature / Humidity

+15°C to +30°C, 30% to 65% RH

Storage Temperature/ Humidity

4°C to +40°C, 10% to 95% RH.

Weight: Approximately 0.1 kg

External Dimensions: 20X15X7cm

Accessories: Micro-USB cable, MilkSense PC Suite CD, User Manual

 = CE mark means that this device fulfills the provisions of the EC directive 93/42/EEC (Medical Device Directive) amended by Council Directive 2007/47/EC.



= Applied part type BF



= Avoid disposing to general waste (environment protection): metallic parts should be recycled after use in order to protect the environment.

Manufacturer address:

Bradley & Luka, Pinhas Rozen 25, Tel-Aviv, Israel.

URL: [http:// www.bradleyandluka.com](http://www.bradleyandluka.com)

European representative address:

Bebe´ Due España, s.a.

C Anoaia 3, P.I. Can Bernades- Subirà

08130 Sta. Perpètua de Mogoda (Barcelona), Spain

Tel. +34 93 574 7500 Fax: +34 93 574 1592