

Irwin Electronic 1000g/0.01g Balance – Code IBS100



Operation

- Place the balance on a smooth and steady surface. Adjust the balance through the adjustable feet until the levelling bubble at the far left hand side is centralised. Please avoid vibration, sunshine, air movement and magnets as these may affect the operation of the balance.
- The temperature should be kept between 5°C and 35°C and the humidity between 50-80%.
- The balance operates on standard UK mains supply 230V, 50Hz
- Connect the power supply and turn the balance on. (Rocker switch on rear panel). It will perform a self test after which it will display 0.00g. When operating correctly the display may show 0.00g or -. The balance is now ready for use, although for absolute accuracy it is advisable to allow it to warm up for 30 minutes.
- Place the object you want to weigh on the balance pan and the weight will be displayed.
- If you want to weigh an object in a container, place the empty container on the balance pan, press **TARE** to zero the display and then place the object(s) in the container. The Tare function automatically deducts the container weight.
- For parts counting proceed as follows: Place a container on the balance pan and press **TARE**. Press the **COU** key to display "10". (If a greater count number is required then toggle the **TARE** key to display the required number.) Put 10(or selected qty) pieces into the container and press **COU**. Added parts to the container will now be counted, but remember you already have 10 in there! To revert to normal weighing press the **COU** key again.

Calibration

Press and hold the **CAL** key for 5 seconds until -CAL- is displayed. The display will then flash 500.00. Place the calibration weight on the balance pan. The display will show ----- followed by 500g. Remove the weight and the display reverts to 0.00g. The unit is now calibrated.

Error Messages

- The balance has been overloaded (i.e. greater than 1000g has been added to the pan).
- Err-1 Turn the balance off for three seconds and then turn it back on
- Err-2 The object weight is not stable. Check the levelling bubble and also that there is not excessive air movement or vibration.

Electromagnetic Compatibility

The use of this apparatus outside the classroom, laboratory, study area or similar such place invalidates the conformity with the protection requirements of the Electromagnetic Compatibility Directive (89/336/EEC) and could lead to prosecution.