

BALANCE PLATFORM (BTG4)

Balance measuring device

Measuring unit	lb
Measuring range	0-440 lb/sensor
Sensor type	Force Transducer
Manufacturer type	TY2002
Non linearity	+/- 0,02% FS
Combined error	0,03%
Sensitivity	2mV/V +/- 0,25%
Overload capacity	150% / sensor
Operating voltage	Taken from USB
USB connection	B-type plug
Resolution	16 bits*
DAQ software	Updated via USB
Maximum sampling rate	400 Hz
Application software	iBalance Premium
Operating System	Windows
EMC	SGS EMC test report 240268-1
Storage conditions	Dry, room temperature.
Operating conditions	Indoors
Dimensions (h x l x w)	2.36 x 26.97 x 37.79 in
Weight (without package)	40.12 lb
Weight (with package and accessories)	44.09 lb
Bag weight	4,409 lb
Bag dimensions (h x l x w)	39.37 x 27.56 x 2.95 in
Warranty	1 year

* depends on the sampling rate

Note:

When device lifecycle ends, pay respect to local waste disposal rules.



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BALANCE TRAINER (BTG4) QUICK START

INTRODUCTION



System Requirements

- Microsoft Windows
- Pentium III 1 Ghz or faster is recommended
- 128 Mb RAM or more is recommended
- USB port
- CD-ROM drive is optional – download link available
- Printer is optional
- Screen resolution 800*600 or higher (1024*768 is recommended)

Installation of the iBalance Premium Software

- Insert Balance Software Suite CD-ROM into the appropriate drive.
- If you have a CD-ROM version, the program installation should start automatically. If not, go to 'My Computer', double-click on the appropriate CD-ROM drive icon and double-click 'setup.exe'.
- Follow the installer's instructions.

Connecting the Balance Platform to the computer

- Connect the supplied USB cable between the Balance Platform and a free USB port in your computer.
- Windows recognizes the new hardware and asks for its drivers.
- The drivers can be found on the iBalance Premium CD or from the hard drive in the iBalance Premium folder.
- Let the windows automatically search the drivers from the CD.

CALIBRATION

The force transducers of the Balance Platform need not to be calibrated before any tests can be run with the unit. The initial calibration is done at the factory.

Calibration weight must be at least 10 kg and its weight should be known accurately.

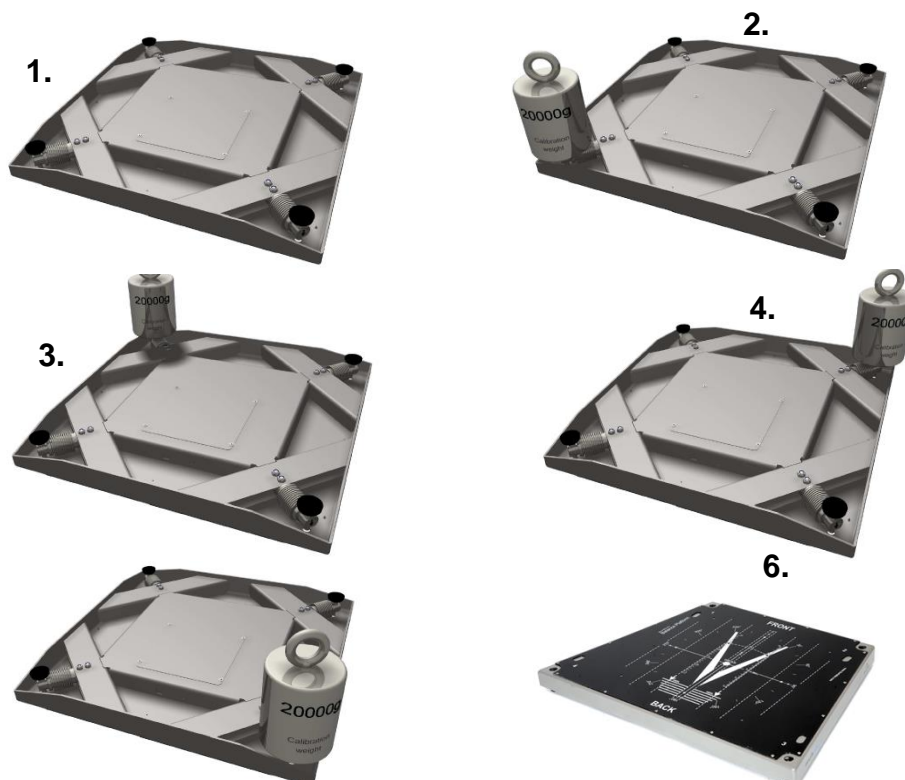
Calibrate the platform every 12 months.

Calibration process:

1. Zero weight measurement at upside down position.
2. Sensor 1 respond for calibration weight.
3. Sensor 2 respond for calibration weight.
4. Sensor 3 respond for calibration weight.
5. Sensor 4 respond for calibration weight.
6. Zero values measurement in normal position.
7. Program calculates calibration parameters.
8. Save calibration.



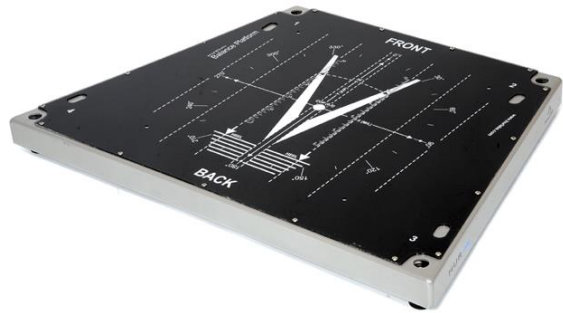
Software Calibration window



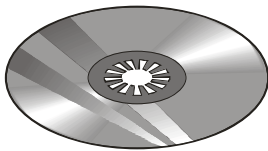
PACKAGE



Bag



Balance Platform (BTG4)



Software CD



Supporting Rail System (Optional)