

# BTrackS™ Explore Balance

## BTrackS™ Explore Balance System for use in Research Applications

The BTrackS Explore Balance System is a fast, accurate and affordable system that allows researchers to create custom balance testing protocols and derive standard balance metrics for each protocol. The system includes the BTrackS Balance Plate and the Explore Balance Software which runs on Windows computers.



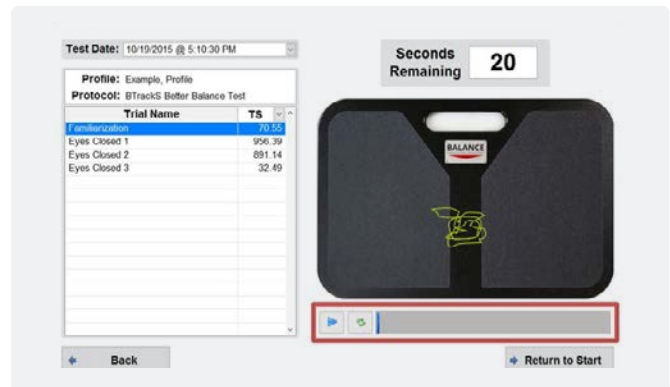
The BTrackS Balance Plate is a highly sensitive force plate that collects postural sway measurements and transmits them to the Explore Balance Software Application. The BTrackS Balance Plate is portable, weighs just 13 pounds and requires no AC Power to operate.

### Explore Balance Software

The Explore Balance Software allows for the design of custom testing protocols which allows researchers flexibility regarding testing time, testing stance, and other variables such as eyes-open or eyes-closed. During testing, real-time feedback is provided and then full data playback is available for visualization of the protocol results.

### Data Export

Explore Balance allows all participant and raw data to be exported to a variety of scientific and engineering computing platforms such as MATLAB, LabVIEW, IGOR Pro or simply MS Excel.



The following balance metrics are calculated and available for each protocol and participant:

- Total Sway / COP Path Length
- Mean COP Velocity
- Mean COP Distance
- Mean COP Frequency
- Root Mean Square in the medial-lateral
- Root Mean Square in the anterior-posterior
- 95% Confidence Ellipse Area
- Excursion Length in the medial-lateral
- Excursion Length in the anterior-posterior



Formulas for each of these metrics are provided with the software. Additional calculations can be made with formulas provided by individual researchers.

### FDA Class 1 Medical Device

The BTrackS Balance Testing System is an FDA Class 1 Medical Device Number 3010668481.