

Firstbeat Bodyguard 3 | Technical Specifications

Device for Clinical Grade ECG-based HRV Monitoring

RR-interval Measurement

BG3 measures beat-by-beat intervals as time between consecutive R-peaks in ECG. Measurement resolution: 1ms.

1-Channel ECG

- 256 Hz
- 18-bit per sample
- Motion noise suppression with HP 4.4Hz
→ optimal for wearable rhythm monitoring

Data Export*

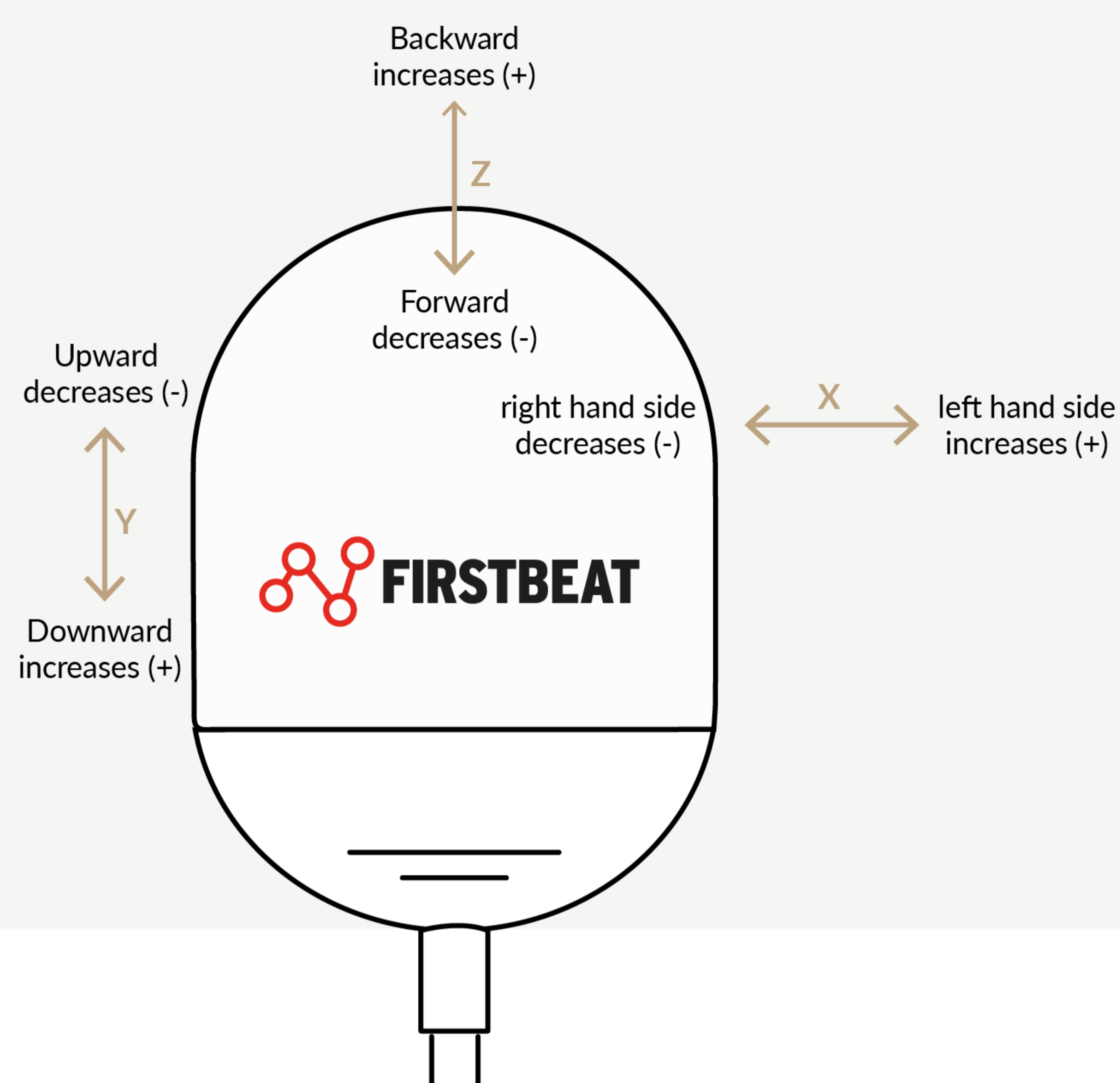
to CSV (ECG, ACC, RRI) format.

Accelerometer

Accelerometer provides measurement data for three (3) dimensions (X, Y, Z). When device is attached to a person to correct position, the dimensions are as follows (see the picture on right):

- Dimension X measures acceleration right and left.
- Dimension Y measures acceleration up and down.
- Dimension Z measures acceleration forward and backward.

3D ACC: 25.6Hz, +-8G, 16- bit integer per channel, 1G corresponds to 1024 LSB



Battery and Charging Procedures

Battery life: up to 7 days in a continuous 24/7 measurement, 6 months in standby mode

Charging time from empty to full: approximately 75 minutes

Measurement and Storage

Measurement temperature: +5 - +45 C°

Storage temperature: -20 - +60 C°

Storage capacity: Up to 36 hours of full RAW data (ECG, ACC, RRI). Up to one month of RRI recording only.

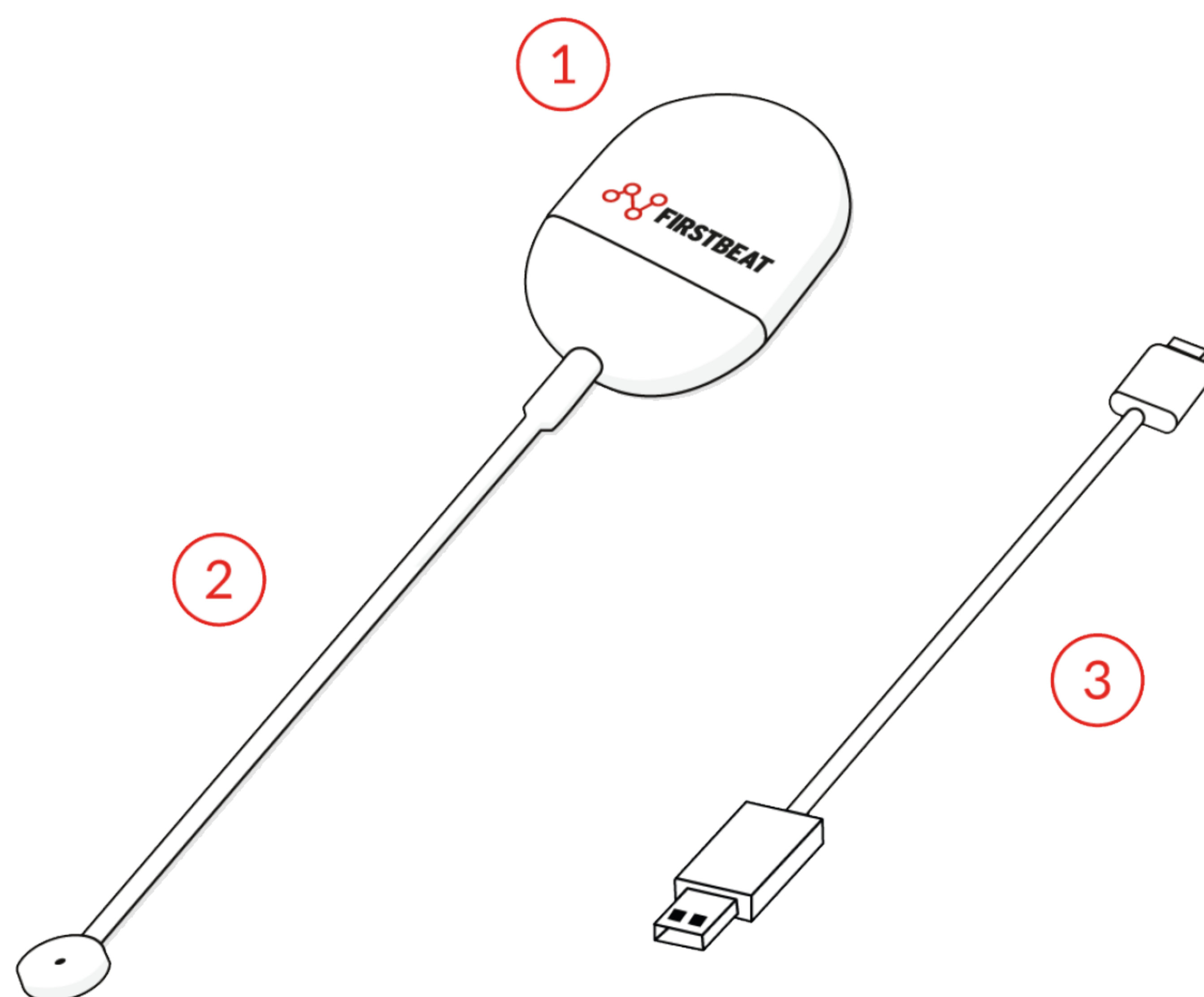
IP Class Information

IP class during measurement: IP54

Dimension

Weight: 26 grams

Size: 54mm x 38mm x 7,7mm



1 Firstbeat BG3 recorder | 2 Firstbeat BG3 electrode cable | 3 USB charging cable