



Player Analysis Technology Approval certificate

Armbeep

Test code: PAT-19-018

Serial no: n/a

Software versions:
1.0 (iOS), 1.0.5 (Android)

Firmware version:
1.3



Issue date: 3 October 2019

Objective: To test and evaluate Armbeep Player Analysis Technology according to Rule 31 of the 2019 Rules of Tennis.

Result: Approved

SUMMARY

The Armbeep device (mass 12 g) containing electronic sensors is held against the wrist of the user using a wristband. The sensors measure the orientation and acceleration of the arm, from which are calculated activity- and shot-related parameters. The device also measures heart rate variability.

Data collected by the device can be transmitted to an auxiliary device, e.g. laptop, via wired (USB) connection.

Coaching information, including wrist speed and acceleration, shot type, shot frequency and heart rate, is available on the auxiliary device.

Restrictions on the access by a player to Armbeep components during periods when coaching is and is not allowed are as follows:

COMPONENT	NO COACHING	COACHING
Armbeep device	Permitted	Permitted
Auxiliary device (e.g. laptop)	Not permitted	Permitted