



# Player Analysis Technology Approval certificate

## HEAD Tennis Sensor

**Test code:** PAT-18-017

**Serial no:** ZTH1

**Software versions:**

Android: V0.3.6

iOS: V0.2.0

**Firmware version:** 4C.17.11.01

**Issue date:** 12 January 2018

**Objective:** To test and evaluate the HEAD Tennis Sensor Player Analysis Technology according to Rule 31 of the 2018 Rules of Tennis.

**Result:** Approved



### SUMMARY

The HEAD Tennis Sensor (mass 7 g) containing electronic sensors is inserted into the butt of a compatible racket (in place of the traditional butt cap) to record the orientation, acceleration and vibration of the racket. Data collected by the sensor can be sent to an auxiliary device, e.g. smartphone, via a wireless (Bluetooth®) connection.

The sensor can be paired with multiple auxiliary devices, though not simultaneously, with no authorisation required. Real-time data can only be transmitted from the sensor to a single auxiliary device and data stored on the sensor can only be downloaded once. There is no notification to the user of the sensor as to which auxiliary device the sensor is connected.

Coaching information, including shot type, ball impact location on the stringbed, average and maximum ball speeds and spin rates, is available on the auxiliary device.

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

COMPONENT	NO COACHING	COACHING
Sensor	Permitted	Permitted
Auxiliary device (e.g. smartphone)	Not permitted	Permitted