

Reliability, innovation & ease of use

We are proud to present the most advanced **Advanced Artificial Athlete (AAA) test device on the market. Our AAA test device is the perfect tool for measuring and testing (artificial grass) sports surfaces.**



Next level AAA device

The advanced technology of our reliable AAA device takes the testing of (artificial grass) sports surfaces to the next level. No wonder it is used worldwide for testing and certifying sports fields. Even while you are developing a new product (such as shock pads or artificial turf for sports fields) you can find out whether your product will meet FIFA requirements or other standards. Use our AAA test device for your lab tests.

Dutch product

Our AAA test device was developed in the Netherlands together with our expertise partners. Our AAA device is

highly accurate and reliable. Its design, compactness and ease of use are unmatched. A Dutch product that has no equal.

Ease of use

The device can be disassembled in four parts and can be provided with two flightcases for transport by airplane as check-in luggage. For field use we can provide a handy trolley for the AAA device. The test device is easily controlled on your smartphone, so only one person can perform the full AAA field test.

Operation

Our wireless AAA devices combine ease of use with reliability and accuracy. After installing the app, you have several options including:

- Choice between FIFA or CEN-TS 16717_2015
- Choice between lab test or field test
- Readout of relevant values (shock absorption, vertical deformation and energy restitution)
- Drop height (automatically calculated)
- Automatic generation of Excel reports
- Forwarding of these reports to any cloud or mail provider

All data that are of relevance to you, such as location, project number and type of field system, can be directly added to the test measurements.

Wireless Value AAA devices

Would you like more information about our wireless AAA devices? Please, contact us. It will be our pleasure to discuss options and accessories.

Qualities of our AAA test device:

- **Compact and modular** Our AAA device is compact and easy to transport
- **Standards** Our AAA test devices comply with CEN_TS16717-2015 and FIFA test methods
- **Ease of use** Our devices provide instant test measurements that can easily be read on the app
- **Sports surfaces** The AAA device is used for testing sports grounds including football, hockey, rugby and basketball grounds
- **State of art** Our AAA devices are equipped with the latest technology

Advanced Artificial Athlete (AAA)

Technical specifications

Type	Description	
Current consumption during operation	130mA @ 3.7V avg.	
Current consumption when switched off	0mA	
Charging voltage (wall plug adapter)	12V	
Charging current	1.625mA	
Battery voltage	3.7V	
Battery capacity	3400mAh	
Battery type	18650	
Number of batteries	1	
Battery protection:	PTC	Yes
	Thermal fuse	Yes
Accelerometer sensor	8mA	
Magnet release current	590mA, (duration 20ms typ.)	
Dimensions transportation trolleys (optional)	Trolley 1	780mm x 440mm x 310mm
	Trolley 2	610mm x 590mm x 310mm
Material	Dropping mass Guidance Legs	Stainless steel Stainless steel Aluminum
Weight	Total Dropping mass Spring mass	40 kg 20 kg +- 0.1% 0.80 ± 0.05 kg
Spring	Spring with three coaxial coils rigidly fixed together at their ends	
Spring characteristics	2000 N/mm	
Data acquisition	Android device and BlueImpact software	
File format measurements	CSV file, compatible with Excel	
Data transfer	Via google drive, dropbox, mail, Bluetooth and WiFi	
Test modes	Field mode Lab mode	
Norms	FIFA CEN/TS 16717	



The Wireless Value AAA meter features

- Easy to use wireless control, no hassle with cables, laptops etc.
- Android device is included in package with BlueImpact software running on the device
- On request sensors can be EN17025 calibrated
- Including charger, car charger optional