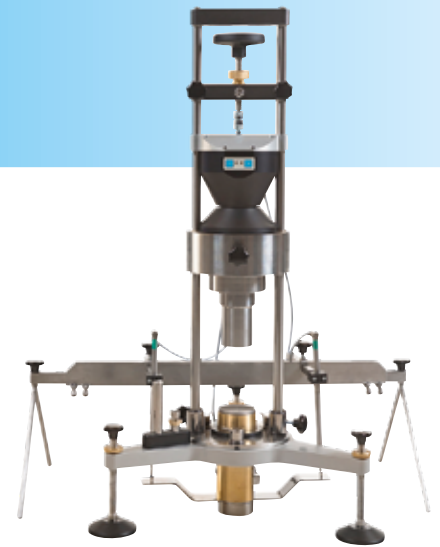


Reliability, innovation & ease of use

Less cables, easier set up

We are proud to present the most advanced Artificial Athlete (AA) test device on the market. Our AA test device is the perfect tool for measuring and testing athletic tracks and (indoor) sports surfaces.



Next level AA device

The advanced technology of our reliable AA device takes the testing of sports surfaces to the next level. No wonder it is used worldwide for testing and certifying sports surfaces. While you are developing a floor you can find out whether your product will meet the required standards. Use our AA test device for your lab tests.

Dutch product

Our AA test device was developed in the Netherlands together with our expertise partners. Our AA 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 provided with two flight cases for transport by airplane as check-in luggage. Our AA device comes as a complete package for measuring shock absorption and vertical deformation. The device can also be used for measuring area elastic floors. All required accessories are included.

Operation

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

- Choice of shock absorption or vertical deformation
- Choice between lab test or field test
- Calibration tool for the load cell
- Calibration tool for the displacement sensors
- Reading out the relevant values
- Drop height (automatically calculated)
- Automatic generation of Excel reports
- Forwarding 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 AA devices

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

Qualities of our AA test device:

- **Compact and modular** Our AA device is compact and easy to transport
- **Standards** Our AA devices comply with EN 14808, EN 14809, EN 14904, EN 15330, FIFA 04 and World Rugby standards
- **Ease of use** Our devices provide instant test measurements that can easily be read on the app
- **Sports surfaces** The AA device is used for testing athletic tracks and (indoor) sports surfaces
- **State of art** Our AA devices are based on state of art technology

Artificial Athlete (AA)

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	NCR18650B	
Number of batteries	1	
Battery protection:	PTC	Yes
	Thermal fuse	Yes
Displacement technology	HBK WA/50MM-T LVDT	
Force Transducer	HBK C2 10kN	
Magnet release current	590mA, (duration 20ms typ.)	
Dimensions transportation trolleys (optional)	Trolley 1	900mm x 440mm x 310mm
	Trolley 2	850mm x 590mm x 310mm
Material	Dropping mass	Stainless steel
	Guidance	Stainless steel
	Legs	Steel
Weight	Total	45 kg
	Dropping mass	20 kg +- 0.1%
	Spring mass	0.80 ± 0.05 kg
Spring	1 Spring with three coaxial coils and 1 spring with one coaxial coils, rigidly fixed together at their ends	
Spring characteristics	40N/mm and 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	
Norms	EN 14808	EN15330
	EN14809	DIN 18032-2
	EN14904	ASTM F2157-02

The Wireless Value AA 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 calibrated
- Including charger, car charger optional

