AA meter (Artificial Athlete) 1856



- Complies with EN 14808, EN 14809, EN 14904, EN 15330, DIN 18032-2 and ASTM F2157-02
- Suitable for testing athletics tracks and (indoor) sports surfaces
- Easy to use for fast and reliable test results
- Easy to store and transport
- Made with the latest technology

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Description

AA (Artificial Athlete) meter

The AA meter from Wireless Value is the perfect device to test and measure athletics tracks and (indoor) sports floors. Used around the world to certify sports surfaces, the AA meter gives you all the data you need to test existing tracks and floors, or to develop new surfaces in accordance with EN 14808, EN 14809, EN 14904, EN 15330, FIFA 04 and World Rugby standards. Easy to use, reliable and highly accurate. 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 laboratory test or field test
- Calibration tool for the loadcell
- Calibration tool for the displacement sensors
- Readout of the relevant values
- Fall height (calculated automatically)
- Automatic generation of Excel reports
- Forward reports to any cloud or email provider

All important data such as location, project number and field system type, can be added directly to the test measurements.

Reliable wireless measurement. Everywhere.

The device can be supplied with two flight cases for transport by air as check-in luggage. Our AA device is supplied as a complete package to measure shock absorption and vertical deformation. The device can also be used to measure elastic floors.

- User-friendly wireless operation, no messing with cables, laptops, etc.
- Android device running BlueImpact software is included in the package
- Sensors can be calibrated on request
- Charger included, car charger optional

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Specifications

General

Charger type	12V
Battery type	NCR18650B
Cover material	POM
Guide rod material	Stainless steel
Feet material	Steel
Drop weight material	Stainless steel

Sports & Play

EN 14808	yes
EN 14809	yes
DIN 18032	yes
EN 14904	yes
EN 15330	yes
DIN 18032-2	yes
ASTM F2157-02	yes

Legislation and standards

CE	yes

Technical specifications

Battery voltage	3.7
Battery capacity	3400mAh
Battery protection	PTC
Spring characteristic	1 spring with three coaxial coils and 1 spring with one coaxial coil, rigidly fixed together at their ends
Spring constant	40N/mm and 2000N/mm
File format	CSV
Load cell (AA)	HBK C2 10kN
Displacement sensor (AA)	HBK WA/50MM-T LVDT
Charging current	1.625mA
Charging voltage	12V

Dimensions

Flight case dimensions	Trolley 1: 900mm x 440mm x 310mm. Trolley 2: 850mm x 590mm x 310mm
Weight	Total 45 kg. Dropping mass 20 kg ± 0.1%. Spring mass 0.80 ± 0.05 kg