

Field Tester

The Field Tester manufactured by Deltec Equipment measures indicative shock absorption, vertical deformation, and energy restitution.

Your Benefits

- Comparable results with official measuring equipment
- FR, VD, ER optional Gravities /Gm* in One drop.
- Very easy to use out of the box
- Lightweight (10 kg in total)
- Compact (80 cm long tube)
- Improved Oled display
- 100 slots memory slots on device
- Real-time graphs on mobile application.
- Measurements overview while testing in application.
- Via WI-FI Cloud data storage and export in PDF and Excel

Scope of supply:

- 5kg drop mechanism;
- 0.8m high tube;
- Mobile measuring- and registration application/ software;
- Including iPod handheld

Technical Specifications:

Software:

- Mobile web interface based on iOS12 or later
- Application is capable to run, display, save, store, the measurements;
- Connection is made over encrypted WI-FI
- Application can run different software applications and can be upgraded via licenses;
- Calculation is done simultaneously and the device can be operated dually.

Hardware:

- DADv4 case with Power print and hardware controller;
- 16bit A/D multi-channel card;
- Oled display;
- NiMH 10 cells battery pack;
- Dual readout on mobile device and display of Field tester;
- Start-up time under 30 sec.;
- Charge 110~240VAC ~6 hours;
- Power 12vdc-4mAh; Battery life 6~8 hours;
- Ethernet; 2.4GHz 802.11n wireless;
- Transmission range 5m;
- Operating temperature 0°C - 50° C

Sensors:

- Uniaxial accelerometer with signal conditioned output dynamic range of $\pm 120g$ range high linearity (0.2% of full scale) Protection Shock Limit 1800(g)



Mechanics:

- Guiding alloy tube of Alloy 6061, with laser cut inserts and welded ground plate;
- Drop weight is Alloy 6061;
- Sensor CNC milled chamber with stainless steel cover;
- The weight has tribo polymers guiding and a spring for extra high stress +2000N/mm

Dimensions HPRC transport case:

L 940mm x W 300mm x H 340 mm

Weight falling mechanism:

5kg

Applications:

Football/Soccer, Hockey, Rugby, Running tracks, Indoor floorings (natural/ artificial surfaces)

Standards: 3A: CEN/TS 16717, ASTM F3189, FIFA 04a, FIFA 05a, FIFA 13, Clegghammer* ASTM D5874 and F1702. 2A: EN 14808, EN 14809, EN 14904, EN 15330, DIN 18032-2, ASTM F2157-02