

LFWD



# Dynamic Bearing Capacity Tester BP-LFWD-WIRE



OPTIONAL



### Accessories of the LFWD

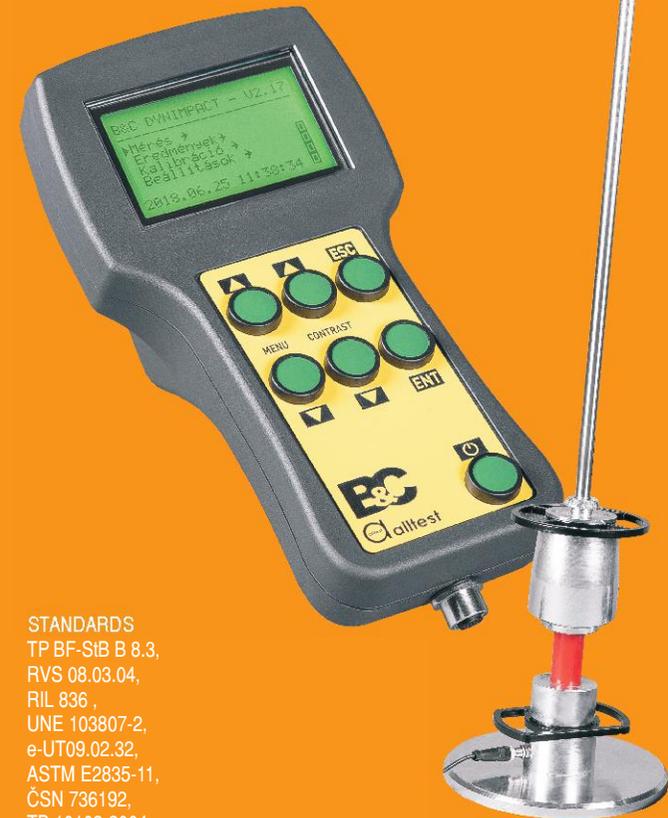
- Guidebar and falling weight
- d=300 mm loading plate

### Optional Accessory:

- „Parallel” data processing and report-making software
- Trident T-90 site moisture meter

### Recommended:

- for contractors
- for accredited labors



STANDARDS  
 TP BF-SIB B 8.3,  
 RVS 08.03.04,  
 RIL 836,  
 UNE 103807-2,  
 e-UT09.02.32,  
 ASTM E2835-11,  
 ČSN 736192,  
 TB 10102-2004,  
 J338-2004



2in1  
option: 3in  
B&C =



## LFWD

**BP-LFWD** is a light falling weight portable device for determine the German Dynamic Bearing Capacity (Evd MPa), measuring deflection caused 10kg falling weight (like Terratest, Loadman, Prima, ZGF, HMP-Magdeburg etc). This old develop instrument is easy to handle and can be used practically on all civil engineering construction, embankments, fillings, roads, railways, etc. It allows measurement of bearing capacity of granular construction layers, quickly and repeatably. No needs counterweight, easy to handle and easy to learn. Lot of information You have got for Your decision, or to avoid the unwished settlement.

**SMART-BP-LFWD** is the "Z" Generation, the latest and very new version of the BP-LFWD family, the first smartphone app all over the world. It has a bluetooth contact to your smart-phone. The application is free in case of LEVEL-0. You have got more information and settable input parameters by the LEVEL-1 application. Available with Android / iOS / or Win app.

### Principle of measurement

The deflection is measured by an accelerometer and quartz timing. The measuring results are given as the maximum deflection, the calculated dynamic modulus called Evd (MPa). The time of the loading is 18ms. Its design makes it suitable for measurements according to the following standards: TP BF-StB B 8.3, RVS 08.03.04,

RIL 836 , UNE 103807-2, e-UT09.02.32, ASTM E2835-11, ČSN 736192, TB 10102-2004, J338-2004

### Where to use

For self-control – constructors, quality control and Q.A. Accredited Labs can use for quality certification. Applicable of all constructions, particularly foundation of industrial hall, railways, roads, bridges, pavement gravel-aggregate layers, waterworks, urban utility, sports ground constructions.

### Technical specifications

Disc diameter 300mm, drop height adjustable (cca  $72 \pm 2$ cm),  $7070N \pm 2\%$  load transfer. Measurement accuracy Evd  $\pm 2.6$ MPa. Measurement range Evd = 5-125 Mpa. It does not measure degree of Compactness, only the Bearing Capacity, and s/v (deflection/speed of plate) value.

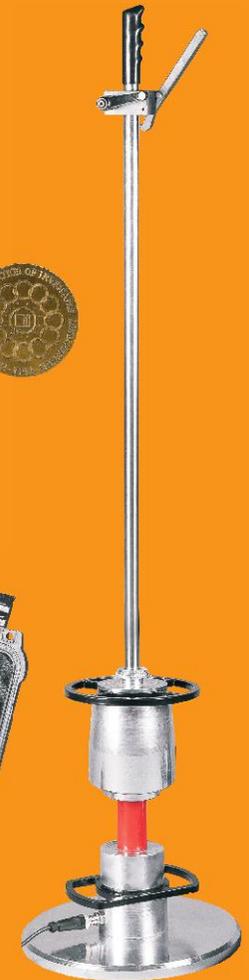
### AVAILABLE

BP-LFWD (Big-Plate Light Falling Weight Device) available in wired type, with data storage, dynamic load capacity meter with 300mm diameter disk. Webstore [www.alltest-smart.com](http://www.alltest-smart.com)

SMART-LFWD (SMART Big-Plate Light Falling Weight Device) bluetooth communication with smartphone, Android / iOS / Win application.



## Awards



ALLTEST Instrument Developing Servicing Ltd.  
Reg.office: H-4032 Debrecen, Mikszáth K. u. 29.  
Office: H-4029 Debrecen, Csapó u. 42. III/10.  
Postal address: H-2030 Érd, Rizling u. 26.  
Tel.: +36 70 619 8346, +36 70 381 4554  
e-mail: [alltest.office@gmail.com](mailto:alltest.office@gmail.com)  
[www.alltest-smart.com](http://www.alltest-smart.com)