

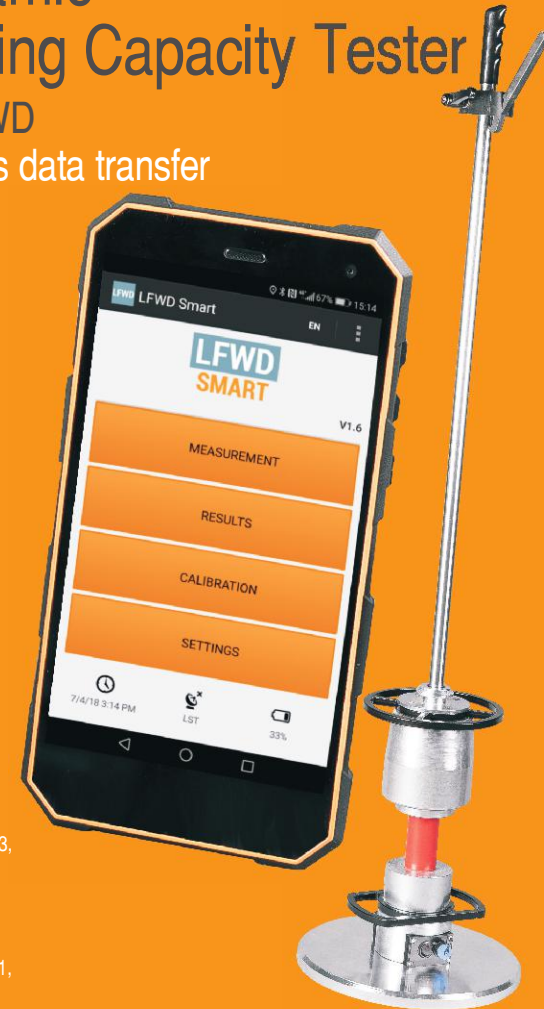
SMART
LFWD



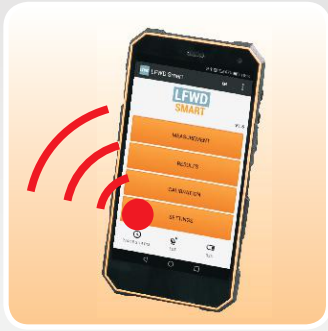
Dynamic Bearing Capacity Tester

BP-LFWD

Wireless data transfer



STANDARDS
TP BF-S1B 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



Accessories of the SMART-LFWD

- Guidebar and falling weight
- d=300 mm loading plate
- Bluetooth data transfer

Optional Accessory:

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

Recommended:

- for contractors
- for accredited labors



www.alltest-smart.com

2in1
option: 3in



SMART-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 ± 2 cm), $7070N \pm 2\%$ load transfer. Measurement accuracy Evd ± 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

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



Awards



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