

COMPACTION TESTING. MADE SIMPLE.



FOR ALL WHO ARE MOVING THE EARTH

The Light Weight Deflectometer for dynamic load plate test is the perfect tool to test the compaction quality of unbound material in two minutes by only one person. The LWD gives you the possibility to check the ground soil before you start your construction to avoid damages of surface layers.

Light Weight Deflectometer is perfect for:

Earthworks

Road Construction

Civil Engineering

Industrial Pavement

Broadband Expansion

Pipeline Construction

Track Construction

Test Laboratories

Thanks to international standards especially because of ASTM E2835-11 the LWD is a fit for all who are moving the earth to build a better world.





DO-IT-YOURSELF compaction test

- ✓ Worldwide accepted (ASTM E2835-11)
- ✓ SELF EXPLAINING
- ✓ 1 person only 2 minutes
- ✓ Perfect for self monitoring
- ✓ Test soil before you start
- ✓ Test homogeneity quickly
- ✓ Test subbase layers before overlay
- ✓ Test highly compacted layers
- ✓ Avoid damages after trenching
- ✓ Not nuclear, no counterweight

THE TOOL MAKING COMPACTION PERFECT

If you want to check the ground conditions of existing soil (grown sub-soil) before starting your job, highly compacted layers such as base courses or the compaction quality in slim trenches, TERRATEST® offers always the perfect tool for every application. Make sure that quality of your compaction work is perfect and invest in TERRATEST® testing tools.

The ONE for **EVERY DAY**



Light Weight Deflectometer with 10 kg/33lbs falling weight for testing normal compaction of unbound material. Meets nearly 90% of requirements of all construction sites.

Check the condition of existing ground before starting your construction site and make self monitoring easy, quick and smart.

The **XL ONE**



Light + Medium Heavy Weight Deflectometer with 10 kg/33lbs + 15 kg/33lbs for testing both: normal compaction and highly compacted layers (base courses) and soil improvements.

The XL ONE is the perfect addition to the Light Weight Deflectometer if you have to check highly compacted layers and soil improvements.

The **SLIM ONE**



The SLIM ONE with 5 kg/11 lbs falling weight and 100 mm load plate is ideal for testing compaction quality inside slim trenches.

Perfect in broadband expansion when doing mini or micro trenching with only 150 mm wide trenches. THE SLIM ONE is developed according TERRATEST® manufacturer standard.



FOR ALL WHO WANT EASY TO USE

Thanks to its easy handling TERRATEST® is the most selling LWD in the world. More than 10,000 devices sold in more than 100 countries speak for themselves. Choose your LWD with cable or BLUETOOTH®, both models are equipped with all extras such as printer, GPS system, power-battery „EVERfull“, voice navigation and PC-software. You have to follow only the instructions spoken by the measuring electronic to do the test.



Easy-to-handle catching ring

Hexagonal ergonomic handgrip, makes catching and carrying of the load weight comfortable



Active Transport-Fix-System

Push-Pull weight fixing ensures safe transport of drop weight



High-Precision-Acceleration Meter

Extremely accurate equipment designed for applications under permanent shocks.



Inclined Bearing Plate Handles

Ergonomic handling in construction site using mobile measuring system „CARRELLO“.



Electroless Nickel Dispersion Coatings

This type of coating, known from fuel pumps, is perfectly suited for construction sites.





Shockproof test computer

Test computer remains closed and protected during test mode, service by external pushbutton.



Integrated Printer

Print out your test data directly in construction site



GPS-System

Allows legally effective identification of test position



Voice-Navigation

Follow spoken instructions, that's all.



Backlit Grafic Display

Clear visualization of results, intuitive menu structure



One-Touch External Button

One touch operation when cover is closed. No need to open the case in dusty environment.



Rechargeable Power-Battery „EVERfull“

Power Battery with short charging time and long lifetime power for 2.000 tests/600 printouts



Bluetooth®-Technology

Test data are transferred directly from load plate to smartphone or measuring computer



APP for iPhone and Android

TERRATEST 6000 BLE is transmitting all test data via Bluetooth® directly to your smartphone, you can leave the test computer at home.



Send your test data by email to your office or customer - immediately from construction site.

INTERNATIONAL STANDARDS



ASTM E2835-11, USA

Standard test method for measuring deflections using a portable impulse plate load test device



TP BF-StB Part B8.3, 2012, GERMANY

Engineering code for soil and rock in road construction



TP Gestein-StB Part 8.2.1, GERMANY

Technical test code for aggregates in road construction



UNE 103 807-2, SPAIN

Plate loading test of soils by means of dynamic plate, Part 2: rigid plate, diameter $2r = 300$ mm, method 2



TB 10102-2010, J338-2004, CHINA

Standard for soil testing in railway construction



RIL 836 Deutsche Bahn AG (NGT 39), Railway Construction, GERMANY

Guideline for the use of the Light Weight Deflectometer in railway construction



RVS 08.03.04., AUSTRIA

Compaction control by means of dynamic plate load test



Test Method Q258A 2021, AUSTRALIA

Dynamic modulus of deformation - light falling weight device - accelerometer



VSS 70 313 (July 2019), SWITZERLAND

Swiss standard - Compaction test by means of dynamic plate load test



ČSN 736192 - 1996, CZECH REPUBLIC

Czech standard - Design Guidelines Railroad Substructure



SB 250 versie 4.1, 4.16.2 (April 2019), BELGIUM

Belgian standard - Compaction test by means of dynamic plate load test

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BUY ONLINE

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