



# TERRATEST 5000<sup>BLU</sup>

The most intelligent Light Weight Deflectometer in the World

Control your Light Weight Deflectometer easily with Smartphone or Tablet!

The world's first:  
Incl. Android-APP



TERRATEST



Bluetooth®



Light Weight Deflectometer



TERRATEST 5000<sup>BLU</sup> correlate  
with the German standard  
TP BF-StB, Teil B 8.3

## Finally operating wireless...

### Bluetooth®, Android-APP and more

TERRATEST 5000<sup>BLU</sup> revolutionized the testing of soil compaction with Light Weight Deflectometer because it is the world's first LWD which operates wireless.

Measurements are transmitted via Bluetooth® from load plate to measuring computer, smartphone or tablet. It is a huge advantage on construction site because the measuring computer does not have to be put directly next to the mechanics. No twinning cable interfere on the way anymore!

The Bluetooth®-Technology can perform its fully function by other three features: „Voice-Navigation“, „PTM“ and „Magic-Eye“ make the compaction test with TERRATEST 5000<sup>BLU</sup> to a measurement system which is fast, precise and extremely user-friendly. The compaction quality is proven and documented on construction site very easily.

## ... and Android-APP!

### Testing wireless connecting to Smartphone or Tablet!

#### **NEW:** Bluetooth®-Technology

Wireless transmission of tests. Automatic pairing immediately by pressing button. No twinning cable interfere on the way anymore!

#### **NEW:** Android-APP for TERRATEST 5000<sup>BLU</sup>

Control your Light Weight Deflectometer easily with smartphone or tablet. Sending test documentation by email to clients is more innovative than printing in construction site.

#### **NEW:** Voice-Navigation

The user is navigated by spoken audio instructions during test performance.

#### **NEW:** „PTM“-Permanent Testing Mode

Into „PTM“ (duration measurement mode) measurements start when switching falling weight on top. The electronic do not has to controlled and can be put away from falling weight.

#### **NEW:** „Magic-Eye“

Brilliant LED are controlling measuring process. Thus, the falling weight deflectometer works user-friendly and self-sufficiently through the electronics.



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# The world's first TERRATEST 5000<sup>BLU</sup>

NEW:

Bluetooth®-Technology

Voice-Navigation

Spoken audio instructions

„PTM“

„Permanent Testing Mode“

Testing without using electronic

„Magic-Eye“

Optical control with LED

Android-APP

Control LWD via Smartphone or Tablet

GPS-System

USB-Flash drive

Integrated Printer

Internal Memory

Text input mode

External operation buttons

PC-Software



Made in Germany



 **Bluetooth®**



# The All-Around-Concept

## Experts are choosing TERRATEST®

„We have been using 4 **Light Weight Deflectometers** TERRATEST 5000<sup>BLU</sup> on our construction sites all over Germany since 1 year.

The Light Weight Deflectometers assist our construction managers to optimize the internal quality control, in the field of compaction works.

The Bluetooth®-Technology of the equipment surprise us all in the line, no twinning cables disturbing on the way anymore. The fast connection and reliable data transmission convince us daily anew.

Another reason for choosing TERRATEST® were the cheap price, the user friendly PC software and the customer-friendly service. Each LWD was delivered with a detailed on-site training for our site manager,“ Michael Ruland, coordinator of civil engineering completion of the GOLDBECK GmbH.

The GOLDBECK Group based in Bielefeld is one of the driving forces in commercial and municipal construction in Germany. The company realized in 2012/13 with 3,300 employees annual sales of € 1.3 billion.



 **Bluetooth®**



## Achilles heel „socket“

### Testing without Cable via Bluetooth®

The socket of the load plate according experiences is the „Achilles heel“ of conventional Light Weight Deflectometers with cable connection.

The measuring cable will be switched into socket again and again during the entire life of the device (that means more than 10 years) in each measuring procedure that the load plate lies and conducted on the ground. This shear forces can destroy sockets during the long usage of sockets. Site conditions in civil engineering and road construction are also a poor environment for a cable connection over years and years.

The world innovation **TERRATEST 5000<sup>BLU</sup>** was presented first time at BAUMA 2013 in Munich. Tests are performed with the new LWD via Bluetooth® without cable and are directly transmitted to TERRATEST® measuring computer, smart-phone or tablet. No more twinning cable disturbing on the way!

**TERRATEST 5000<sup>BLU</sup>** is convinced by reliable data transmission, immediate pairing and a powerful battery supply. Experts are choosing **TERRATEST 5000<sup>BLU</sup>**!



# Full function without compromise

## Measuring computer in protected electronicbox „ROBUSTA“

TERRATEST 5000<sup>BLU</sup> is the most innovative Light Weight Deflectometer in the world and is accredited by ASTM E2835-11 and fully inline with the german standard TP BF-StB, Part B 8.3.

The protected measuring computer in weatherproof box „ROBUSTA“ with large impact-resistant window and external button keeps even the most extreme site conditions workable. With „ROBUSTA“ is the operation of the device in closed condition possible, the measurement computer remains protected away from dust, dirt and rain in construction sites.

### All-Inclusive-Package „ROBUSTA“

Bluetooth®-Technology · Smartphone/Tablet APP · GPS-System Integrated Printer · USB-Stick · Internal Memory  
Text Input Mode · External Operation Button  
Rechargeable High Performance Battery · PC-Software





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