



# 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:  
with Android App



TERRATEST



www.tuv.com  
ID 000044987



Made in Germany

Light Weight Deflectometer



TERRATEST 5000<sup>BLU</sup> complies with the German standard TP BF-StB, Part B 8.3 and ASTM E2835-11

# The world's first with Bluetooth®...

## Bluetooth®, Android App and more

TERRATEST 5000<sup>BLU</sup> revolutionises the testing of soil compaction with Light Weight Deflectometer, since it is the world's first LWD which operates wirelessly. Measurements are transmitted via Bluetooth® from load plate to measuring computer, smartphone or tablet. This is a huge advantage on construction site, since the testing computer does not need be placed right next to the mechanics. No wire gets in the way.

The Bluetooth® technology is complemented by three more features: "Voice Navigation", "PTM" and "Magic-Eye" turn TERRATEST 5000<sup>BLU</sup> into a measurement system which is fast, precise and extremely user-friendly. The compaction quality can easily be proven and documented on site.

TERRATEST 5000<sup>BLU</sup> is particularly suitable for the use abroad. The socket of the load plate has always been the Achilles' heel of traditional Light Weight Deflectometers. Due to shear forces straining the socket, it often needed repair. Thanks to its wireless operation, this problem will no longer exist with TERRATEST 5000<sup>BLU</sup>.

# ... and with Android App!

Testing wirelessly while connected to smartphone or tablet!

### NEW: Bluetooth® Technology

Wireless transmission of test results. Automatic pairing at the touch of a button. No wire gets in the way.

### NEW: Android App for TERRATEST 5000<sup>BLU</sup>

Control your Light Weight Deflectometer easily with smartphone or tablet. Instead of printing the test protocol you can now also send it via email to clients.

### NEW: Voice Navigation

Spoken audio instructions lead the user through the test procedure.

### NEW: "PTM"-Permanent Testing Mode

When set to "PTM" (continuous measuring mode), tests can simply be started by latching the drop weight into the release mechanism. It is no longer necessary to operate the testing computer, which can therefore be placed away from the Light Weight Deflectometer.

### NEW: "Magic-Eye"

Highly visible LEDs indicate the test procedure. The Falling Weight Deflectometer works user-friendly and independent of the testing computer.



Control your Light Weight Deflectometer easily with smartphone or tablet!

The world's first:  
with Android App



TERRATEST



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

**NEW:**

Bluetooth® technology

Voice navigation

Spoken audio instructions

"PTM"

"Permanent Testing Mode"

Testing without operating computer

"Magic Eye"

LED mode indicator

Android App

Control LWD via smartphone or tablet

GPS system

USB flash drive

Integrated printer

Internal memory

Text input mode

External operation button

PC software



www.tuv.com  
ID 000044987



Made in Germany



# An All-embracing Solution

## Experts rely on TERRATEST®

“For nearly a year we have now been using eight of the Light Weight Deflectometers **TERRATEST 5000<sup>BLU</sup>** on our construction sites across Germany. The Light Weight Deflectometers support our site managers in optimising the internal quality controls in the field of compaction work. We are highly impressed by the Bluetooth® technology of the devices; no wire gets in the way anymore. Its quick connection setup and reliable data transfer amaze us daily.

Other reasons for choosing TERRATEST® were the good price, the user-friendly PC software, and the customer-friendly service. The delivery of every device was accompanied by a comprehensive on-site training for our site managers”, says Michael Ruhland, coordinator for the execution of civil engineering works at GOLDBECK GmbH.

The GOLDBECK Group based in Bielefeld is one of the driving forces in commercial and municipal construction in Germany. In 2012/13 the company had 3,300 employees and generated an annual turnover of EUR 1,300 million.



 **Bluetooth®**



## Achilles' heel "socket"

### Testing *without* Cable via Bluetooth®

From experience we know that the socket of the load plate used to be the Achilles' heel of traditional Light Weight Deflectometers with cable connection. Throughout the entire lifetime of the device (i.e. over a period of more than 10 years), the measuring cable will need to be plugged into the load plate on the ground, every time a test is being conducted. In the process shear forces arise, which may destroy the sockets in the long run. In addition, the site conditions in utility trench and road construction are an adverse environment for any kind of cable connection.

The world innovation **TERRATEST 5000<sup>BLU</sup>** was presented for the first time at BAUMA 2013 in Munich. Tests with the new LWD are performed via Bluetooth® without cable, the results transmitted directly to the TERRATEST® testing computer, a smartphone or tablet. No wire gets in the way anymore. **TERRATEST 5000<sup>BLU</sup>** convinces with reliable data transmission, immediate pairing and a powerful battery supply. Experts rely on **TERRATEST 5000<sup>BLU</sup>**!





International Standard  
Complies with  
**ASTM**  
E2835-11



Made in Germany

# Fully equipped with all components

## Testing computer in protected electronics box "ROBUSTA"

TERRATEST 5000<sup>BLU</sup> is the most innovative Light Weight Deflectometer in the world. It complies with international standard ASTM E2835-11 as well as with German standard TP BF-StB, Part B 8.3.

The testing computer is well-protected thanks to its weatherproof box "ROBUSTA" which features a large, impact-resistant inspection window and an external control button. It thus withstands even the most extreme site conditions. With "ROBUSTA" it is possible to operate the device, even when the box is closed; the testing computer remains protected against dust, dirt and rain even at construction sites.

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

USB flash drive  
for data storage

High-quality control panel, especially  
suitable for construction site use

Backlit  
graphic display

Charging socket  
for high-perfor-  
mance battery

GPS system

Integrated  
printer



www.tuv.com  
ID 0000044987



Made in Germany



TERRATEST GmbH

Friedrich-Wolf-Strasse 13 · 16515 Oranienburg

Phone: +49 33 01 700 700 · Fax: +49 33 01 55 44 0

www.light-weight-deflectometer.com · info@terratest.de