TERRATEST 5000 BLU 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

Made in Germany
Cable via Bluetooth®

"Magic-Eye"

"PTM"—Permanent Testing Mode

turn TERRATEST 5000BLU into a measurement system which is fast, precise and extremely user-friendly.

Bluetooth® Technology

from load plate to

Android App for TERRATEST 5000BLU

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

An All-embracing Solution

Experts rely on TERRATEST®

The world’s first with Bluetooth®...

Bluetooth®, Android App and more

... 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.

NEW: Android App for TERRATEST 5000BLU

Control your Light Weight Deflectometer easily with smartphone or tablet. Instead of printing the test result, you can now 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", testing 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.

The world’s first with Android App

GPS system

USB flash drive

Integrated printer

Internal memory

Text input mode

External operation button

PC software

The world’s first with Bluetooth®

Bluetooth, Android App and more

The world’s first with Android App!
The world’s first with Bluetooth® and Android App!”

**Bluetooth® technology**
- Voice navigation
- Spoken audio instructions

**“PTM”** (Permanent Testing Mode)
- Testing without operating computer

**“Magic Eye”**
- LED mode indicator
- Android App

Control your Light Weight Deflectometer easily with smartphone or tablet!

The world’s first: TERRATEST 5000BLU

NEW Bluetooth® technology

**GPS system**

**USB flash drive**

**Text input mode**

**Internal memory**

**Integrated printer**

**External operation button**

**PC software**

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. Due to shear forces causing the socket, it often needed repair. Thanks to its wireless operation, this problem will no longer exist with TERRATEST 5000BLU.

The Bluetooth® technology is complemented by three more features: Voice Navigation, "PTM" and "Magic Eye". TERRATEST 5000BLU is a measurement system which is user-friendly and extremely easy to use. The compaction quality can easily be proven and documented on site.

**NEW** Spoken audio instructions lead the user through the test procedure.

**NEW** Permanent Testing Mode

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

**NEW** "Magic Eye" 

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

The world’s first: TERRATEST 5000BLU

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**NEW** Spoken audio instructions lead the user through the test procedure.

**NEW** Permanent Testing Mode

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

**NEW** "Magic Eye" 

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

The world’s first: TERRATEST 5000BLU
Cable via Bluetooth®

make TERRATEST 5000BLU into a measurement system which is fast, precise and extremely user-friendly.

Android App for TERRATEST 5000BLU

"Magic-Eye"® from load plate to computer does not need to 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"—Permanent Testing Mode—and "Magic Eye".

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 5000BLU.

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.

Testing wirelessly while connected to smartphone or tablet!

NEW: Bluetooth® technology

NEW: Voice navigation

NEW: "PTM"—Permanent Testing Mode

NEW: "Magic Eye"—LED mode indicator

NEW: Android App

Control your Light Weight Deflectometer easily with smartphone or tablet! The world’s first:

with Android App

GPS system
USB flash drive
Integrated printer
Internal memory
Text input mode
External operation button
PC software

Testing wirelessly while connected to smartphone or tablet!

An All-embracing Solution

Experts rely on TERRATEST®

"For nearly a year we have now been using eight of the Light Weight Deflectometers TERRATEST 5000BLU® on our construction sites across Germany. The Light Weight Deflectometers support our site managers in optimising the internal quality control in the field of compaction works. We are highly impressed by the Bluetooth® technology of the devices, no set-up 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.

Blue tooth

The world’s first with Bluetooth®...

Bluetooth®, Android App and more

TERRATEST 5000BLU revolutionises the testing of soil compaction with Light Weight Deflectometers, 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 sites, since the testing computer does not need to be placed right next to the mechanics.

The Bluetooth® technology is complemented by three more features: "Voice Navigation", "PTM"—Permanent Testing Mode—and "Magic Eye".

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 5000BLU.

Testing wirelessly while connected to smartphone or tablet!

NEW: Bluetooth® technology

NEW: Voice navigation

NEW: "PTM"—Permanent Testing Mode

NEW: "Magic Eye"—LED mode indicator

NEW: Android App

Control your Light Weight Deflectometer easily with smartphone or tablet!

with Android App

GPS system
USB flash drive
Integrated printer
Internal memory
Text input mode
External operation button
PC software

Testing wirelessly while connected to smartphone or tablet!

NEW: Bluetooth® technology

NEW: Voice navigation

NEW: "PTM"—Permanent Testing Mode

NEW: "Magic Eye"—LED mode indicator

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Control your Light Weight Deflectometer easily with smartphone or tablet! The world’s first:

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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.

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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

Made in Germany

Photos: Frank G. Schulz · Layout: IDEENF

June 2015

Produced environmentally-friendly on chlorine-free bleached paper
Fully equipped with all components

Testing computer in protected electronics box “ROBUSTA”

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Charging socket for high-performance battery · GPS system · Integrated printer

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