

ALWAYS
2 STEPS
AHEAD!

Light Weight Deflectometer LWD WEBERconnect BLE



 **Bluetooth®**

 **WEBER**
PRÜFTECHNIK x  **infraTest**
TESTING SYSTEMS

LWD WEBERconnect BLE

The Dynamic Plate Load Test is used to determine the load-bearing capacity of compacted soils, base layers, and their compaction quality. Using the Light Weight Deflectometer (LWD), the test can be performed and evaluated in the shortest time possible.

The LWD WEBERconnect BLE is app-controlled and comes fully equipped with a Bluetooth interface for smart-phone connectivity, GPS, onboard memory, real-time transmission of measurement data, automatic report generation (PDF and CSV), and a LiPo rechargeable battery.

Included equipment:

- ▶ Ø 300 mm load plate with integrated measurement electronics
- ▶ Loading device with a 10 kg drop weight and patented catch handle
- ▶ Calibration in accordance with TP BF-StB Part B 8.4
- ▶ Operating manual and calibration certificate
- ▶ Free WEBERconnect app (available for Android 14 and later via the Google Play Store)

Accessories such as smartphone, mobile thermal printer, and aluminium transport case are available as optional accessories or as part of pre-configured packages such as „Smart“ or „Smart & Print“.

Technical Data

Measurement range	15 – 70 MN/m ² E _{vd} (Dynamic deformation modulus)
Weight	28.00 kg

10-24551

Standards

- ▶ ASTM E2835
- ▶ BS 1377
- ▶ TP BF-StB Teil B 8.3
- ▶ RVS 08.03

Calibration performed by WEBER
Prüftechnik in Tangermünde, Germany.
BAST-approved calibration laboratory.



App available on  Google Play



Patented handle

Large grip opening for enhanced comfort and easy handling.



Ergonomic design

Angled latch, preventing fingers from getting trapped



USB-C charging port

Easily rechargeable using a smartphone charger



LWD WEBERconnect BLE

“Smart” package

Light weight deflectometer including a smartphone.

10-24552



LWD WEBERconnect BLE

“Smart & Print” package

Light weight deflectometer including a smartphone and a portable printer.

10-24553

Tiefbau Tyndal GmbH
 Pfaffen Way 33
 6811 Pfaffen City
 E-Mail: info@tyndal-company.eu
 Phone: +49 6202 2000

Building Project: Highway No. 10
Exam Project: Dynamic load plate test
Manufacturer: VEBER Prüftechnik
Order Number: LWD WEBERconnect BLE 221
Date: 24.04.2022 10:01:25
Project: 06-18 Measurement
Testing Site: 06-18 Measurement
Type of Soil: mixed-grain soil
Position Long: +13.30027
Position Lat: +52.53029

No.	Measuring	Support	EVD (MN/m²)	Result	EVD (MN/m²)	Δ (mm)
1	48.0	65.25	0.3451			
2	48.0	65.65	0.3509			
3	48.0	65.65	0.3457			
4	48.0	65.65	0.3752			
5	48.0	65.65	0.3452			
6	48.0	65.65	0.3454			
7	48.0	65.65	0.347			
8	48.0	64.89	0.4466			
9	48.0	64.89	0.4466			
10	48.0	65.77	0.3425			

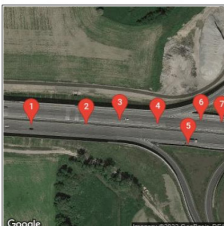
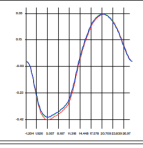
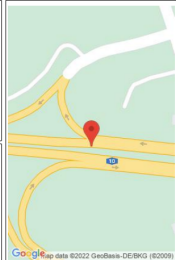
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Loading: 48.00 MN/m² EVD
Results: 64.25 MN/m² EVD

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ADVANTAGES:

- ▶ Automatic real-time transmission of results to the server
- ▶ Professional reports exported in one click in PDF or CSV format
- ▶ Maximum traceability through automatic GPS geolocation (accuracy down to 50 cm via mobile network)
- ▶ Easily return to saved measurement points with integrated app navigation
- ▶ Automatic calibration reminder via app 6 weeks before the calibration validity expires

Fast, effortless data export in PDF or CSV format.



ACCESSORIES:

Smartphone

SIM-unlocked smartphone for controlling and retrieving data from the Light Weight Deflectometer.



Technical Data

Weight 0.30 kg

10-2455S

WEBERconnect Printer

Instantly print measurement reports directly from the app via Bluetooth.



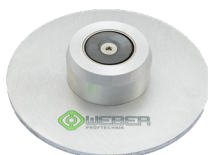
Technical Data

Weight 0.30 kg

10-2456P

Magnetic base

Provides a secure resting place for the loading device while aligning the load plate.



Technical Data

Weight 1.10 kg

10-2458

Collapsible transport trolley

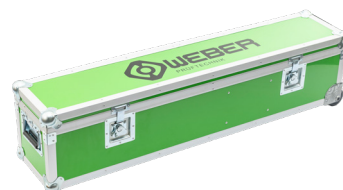
For the safe and convenient transport of the LWD WEBERconnect BLE. The integrated bayonet locking system allows the LWD to be securely locked in place with ease. A mounting bracket for the magnetic base is included. The puncture-proof wheels ensure maximum mobility, even on loose ground.



Technical Data

Weight 9.60 kg

10-2459ZT



Transport case

Robust aluminium transport case featuring a slim, ventilated design with integrated wheels.

Technical Data

Weight 15.00 kg

10-2459