



LIGHT WEIGHT DEFLECTOMETER TERRATEST 9000 LWD

✓ ASTM E2583



ALL in ONE

LIGHT WEIGHT DEFLECTOMETER

The portable Light Weight Deflectometer TERRATEST 9000 LWD will improve your quality control process. The device is made to check the compaction quality of unbound layers and partially bound material of soil. TERRATEST 9000 LWD is a non-nuclear gauge.

The „ALL in ONE“ TERRATEST 9000 LWD offers a wide range of possibilities by using a high precision center geophone, two additional satellite geophones, different load plate diameters, additional falling weights and a variable falling height supported by a high precision load cell.

The test procedure will be done by the intuitive smartphone APP TERRATEST-LWD for iOS and Android. No extra electronic device is needed, all test data will be stored on your own smartphone or tablet.

Benefits of Light Weight Deflectometer TERRATEST 9000 LWD

- ✔ Stiffness and compaction quality control with only ONE device
- ✔ Light Weight Deflectometer TERRATEST 9000 LWD operates without using nuclear material
- ✔ A single person can test the compaction quality in less than one minute without using a counterweight like a truck
- ✔ Immediate result of test data in construction site

Light Weight Deflectometer TERRATEST 9000 LWD meets the following international specifications

- ✔ ASTM E2583
- ✔ European Union CEN ICS 93.020
- ✔ IAN73 (UK)
- ✔ UNI11531-1 (ANAS ITALIA)



ALL in ONE

Light Weight Deflectometer

HS Code 90 24 80 19



 **MADE IN
GERMANY**

ALL in ONE

Smartphone holder
for APP service

Adjustable device
to change the falling height

Additional falling weights
each 5 kg/11 lbs

10 kg/22 lbs falling weight

Buffer elements

High precision load cell to measure
the impact load time history and peak
magnitude

Measuring electronic with Magic Eye to
pilote the test procedure via Bluetooth®

Central geophone measures deflection
time history and peak value using a hole
in the load plate



200 mm/7.8" load plate



Two satellite geophones

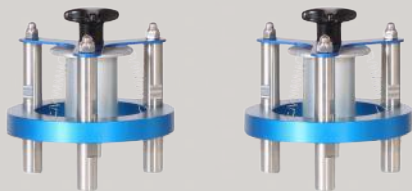


Load plate „DUO-SWITCH“ to
change the load plate diameter
300/150 mm resp. 11.8"/5.9".
100 mm/3.9" load plate included.

OPTIONAL ACCESSORIES

EXTERNAL GEOPHONES

Set of two external geophones
range 100 – 2200 micro



HS Code 90 24 90 00

SET OF TWO ADDITIONAL FALLING WEIGHTS

(5 kg / 11 lbs each) to perform 15 kg or 20kg (resp. 33 lbs / 44 lbs)



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Trolley "VENEZIA"

Transport box

800 x 400 x 350 mm, 19,3 kg, 58 kg when complete
31,2" x 23,6" x 40,25", 42.6 lbs, 127.9 lbs when complete

For secure transportation and storage with wheels for easy transportation and positioning



HS Code 90 24 90 00

"CARRELLO"

Mobile measuring system
with fork system to perform tests in a large construction site



HS Code 90 24 90 00



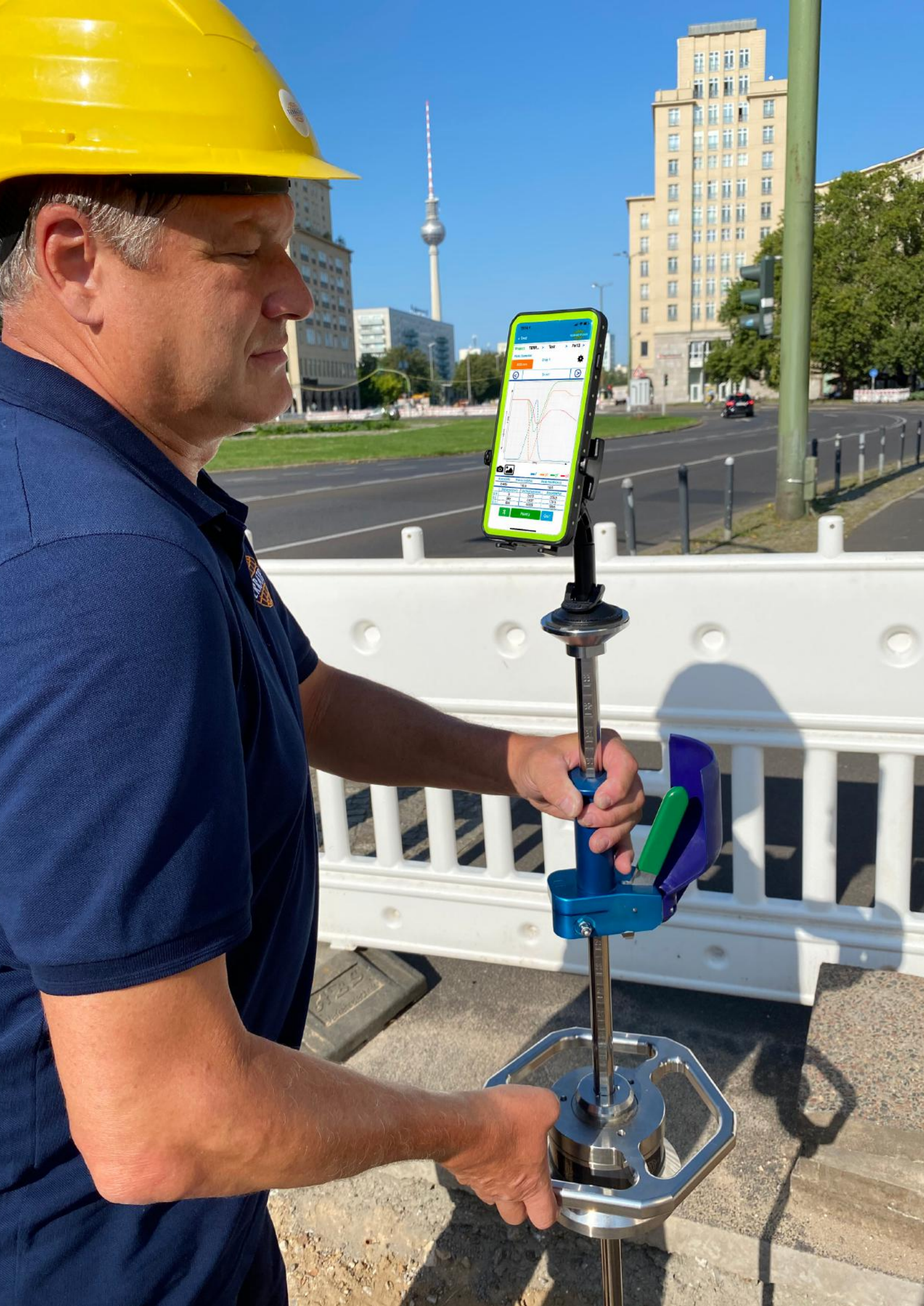
LOAD PLATE 200 mm

Additional load plate
Ø 200 mm / 7.8"

HS Code 90 24 90 00



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REF
DN EN 1092-A-C5
DN 200 PN10 A10928

9000 LWD
1000000

ALL in ONE

Weight of device:	26 kg/57,3 lbs
Height of basic device:	1.400 mm/54.6"
Max. drop height:	900 mm/35.1"
Drop Falling weights:	10 kg/22 lbs, optional 15 kg/33 lbs, 20 kg/44 lbs
Loading range:	0–15 kN (3370 lbf) peak load using optional weight 20 kg/44 lbs
Load pulse:	20–40 ms
Load plate diameters:	100 mm/3.9", 150 mm/5.9", 300 mm/11.8", optional: 200 mm/7.9"
Range of load cell:	0–25.0 kN (0–5,500 LBF)
Accuracy of load cell:	0,15 %
Sensor:	Geophone
Sensor range:	0–2,2 mm
Number of geophones:	1 central geophone standard, 2 satellite geophones optional
Transportbox „Venezia“:	800 x 400 x 350 mm, 19,3 kg, 58 kg when complete 31,2" x 23,6" x 40,25", 42.6 lbs, 127.9 lbs when complete

TERRATEST LWD PC-Software for analysis of test data TERRATEST App for IPHONE and Android



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