![infraTest TESTING SYSTEMS logo]

# Plate Bearing Test Set 100 kN

DIN 18134 - BS 1377 - for the determination of the bearing capacity of soil in situ. Load on the bearing plate is applied by use of a hydraulic jack with counterweight.

Complete test set comprising:

- Single-gauge measuring beam, made of aluminium tubes with 3 height adjustable support

- Bearing plate 300 mm dia. with measuring tunnel

- Set of pluggable extension rods, made of light alloy

- Upper ball and socket joint

- Hydraulic system 100 kN comprising piston, pressure tube 2 m and hand operated pump with pressure gauge 160 mm dia., range 0-290 bar/0-0,8 MN/m² for bearing plate 300 mm dia. Installations for load measurement acc. DIN 18134 (software) see 10-2370 resp. 10-24040.

10-2350E

## Advantages:

- ▶ Digital force measurement via 10-24040

- ▶ Magnetic ball joint for quick attachment to the counterweight

- ▶ Robust design with stiff aluminum frame

- ▶ Quick and easy setup

- ▶ Direct measurement in the measuring tunnel

- ▶ Low maintenance

## Variants

**Plate Bearing Test Set 100 kN**

10-2350

**Plate Bearing Test Set 160 kN**

10-2360E

**Plate Bearing Test Set 160 kN**

10-2360

## ACCESSORIES

**Electronic Load Measuring System 100 kN**

with direct reading display

10-2370

**Displacement Transducer**

10-2380.100

**Cable**

10-2380.200

**Wooden Case (Set of 2)**

10-2355

**Depths Feeler 600 mm**

10-2350E11

## In-Situ Datalogger

DIN 18134 including evaluation software. For use with the plate bearing set 10-2350. Electronic mounted in a stable case with integrated monitor and batteries for at least 4 hours operation is designed for use on site.

Comprising:

- Transport case 410x330x175 mm IP67 with all electronic installations

- displacement transducer 25 x 0.01 mm including connecting cable

- stable connection plugs for displacement and load transducer, either 100 or 200 kN

- battery charger 12/24/230 V

- low power dual core computer 1,33 GHz with 4 Gbyte main memory

- interface: 2xUSB / WLAN

- GPS module

- 10,4" LCD touch display with LED backlight

- software DIN 18134-9/01 with data base for tests with 300/600/760 mm bearing plate

### Technical Data

| | |
|---|---|
| Power Supply | 12/24/230 V |
| Weight | 9,2 kg |

10-24040

## Plate Bearing Test Set 100 kN 3-gauge

10-2400

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