



## Plate Bearing Test Set 100 kN

DIN 18134 04/2012 - BS 1377 - ASTM D 1195 - ASTM D 1196 for determining the deformability and bearing capacity of the soil.

Loading and unloading via a quick connectable industrial hydraulic pump. The respective settlements are measured by means of a measuring bridge.

Completely consisting of:

- Aluminium square measuring bridge, extendable with height-adjustable supports
- Bearing plate Ø 300 mm with mounted measuring tunnel
- Set of plug-in aluminium extensions
- Upper ball joint with the magnetic head plate
- The hydraulic system 100 kN consisting of piston, the pressure tube 2 m as well as a hand-operated pump with pressure gauge Ø 160 mm, range 0-290 bar/0-0.8 MN/m<sup>2</sup> for bearing plate Ø 300 mm.
- Precision dial gauge 30 mm, gen. 0.01 mm

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



## SUITABLE FOR THAT

### 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

Dimensions	410 x 330 x 175 mm
Weight	9,2 kg
Power Supply	12/24/230 V

10-24040



## ALTERNATIVE

to Plate Bearing Test Set  
100 kN / 10-2350E

### Plate Bearing Test Set 100 kN 3-gauge

10-2400

