

World novelty Fully automatic plate load tester with hydraulic battery pump



Fully automatic plate load tester

Have you always wished for a helper that performs the static plate load test standard-compliant and independently? Then our new static plate load tester with automatically operating battery pump is definitely something for you.

Static plate loaders according to DIN18134 are used to determine the bearing capacity and deformability of soils and unbound base layers. Typically, a hydraulic hand pump is used to apply 15 to 20 load levels for two loading cycles by the operator. One test lasts 20-30 min. During this time, the operator must apply the load levels individually and keep them constant for 1-2 min each.

Our **world novelty** is that the hand pump is replaced by an automatically operating battery-powered hydraulic pump. After the plate load device has been set up and adjusted, the it automatically applies the standard-compliant load steps according to DIN18134.

The **battery pump** has hardly more weight than a hand pump. The energy stored in the integrated Li-battery is sufficient for one working day under normal test conditions. The battery of the pump can also be charged at the car. (12-24 volts). To set up the plate load device, the user operates the hydraulic pump sensitively with a joystick. It is possible to store own tables with other load levels and for other international test standards on the SD card. With the optionally available GPS module, the geographical position of the measurements can be recorded. On the PC - with the help of an Excel file - maps are then loaded from the Internet and stored in the protocol.

Anix GmbH is your reliable partner for

- **Static plate load tester** - for determining the bearing capacity and deformability of soils and unbound base courses,
- **Planographs** - for longitudinal evenness measurement of road surfaces
- **Training courses according to TP-Eben 2017:** "Contacting evenness measurements".
- **Profilographs** for electronic recording of transverse profiles
- **Benkelman beams** for determining the residual bearing capacity of asphalt roads

Further information:

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