

## Quick Guide **ZORN D plus**

The ZORN D plus is made for the wireless handling of your Light Weight Deflectometer ZFG and serves the generation of complete test reports on your Android or iOS device (from Android 5.1 and iOS 11.0 on).

Before using the ZORN D plus, also read the operating instructions for your Light Weight Deflectometer.



### Technical Data

- Dimensions: approx. 100 x 50 x 10 mm
- Weight: approx. 100 g
- Connection sensor: 6,35 mm stereo audio jack
- Connection mobile device: Bluetooth (Low Energy)
- Energy supply: Lithium Polymer Batterie (rechargeable)
- Control Indicator: two LEDs
- Languages: German/English

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D plus app loaded?



Following requirements are necessary for using the ZORN D plus:

- You need to have the ZORN D plus application on your mobile device.
- You can download the application from the Google Play Store or from the Apple App Store for free. Alternatively, you can receive the download link for the ZORN D plus application from us.
- Your mobile device must have a Bluetooth function. The Bluetooth function must be enabled for the usage with the ZORN D plus.
- Your Light Weight Deflectometer needs to be calibrated together with the ZORN D plus and they must carry the same serial number.

## 1. Safety Instructions

Please read the instruction manual of your Light Weight Deflectometer before using your ZORN D plus.

- Protect the device against outside influences such as excessive direct solar radiation, humidity and soiling!
- Only open the protection cap for charging the device!
- Only use the included charging cable or rather a cable of the same type for charging the device!

## 2. Usage

### ▶ 2.1 Preparation

- Assemble the loading plate and the loading device as it is described in the according manual.
- Plug in the jack plug of the ZORN D plus into the plug socket of the loading plate. This plug socket also serves the connection between the loading plate and the usual electronic device.
- Trough the magnets at the bottom of your ZORN D plus you can place the device skid-proof on the loading plate easily.
- The built-in thermometer automatically measures the environmental temperature.

### ▶ 2.2 Connection Establishment

- Turn on your ZORN D plus by pressing the ZORN INSTRUMENTS logo. The right blue LED underneath the ZORN INSTRUMENTS logo should blink quickly.
- Open the ZORN D plus application on your mobile device. Tap on the first button „Start measurements“.
- Automatically, the ZORN D plus application starts to search for Bluetooth devices in the environment. You can see your ZORN D plus. Select the ZORN D plus for connecting. The app now automatically switches to measurement mode.
- The blue LED is now blinking significantly slower.



### ▶ 2.3 Measurement Performance

- See point „2.2 Connection Establishment“
- After a measurement (3 preload impacts/ 3 load impacts), the app switches to display mode. You can view your measurement result. Further measurements can be added by clicking on the button "+" at the bottom right.