

# 3032 LIGHT WEIGHT DEFLECTOMETER

## PORTABLE STRUCTURAL PAVEMENT & SOIL EVALUATIONS

The **Light Weight Deflectometer (LWD) Model 3032** is a one person, portable dynamic plate loading device designed for compaction quality assurance (QA) and determination of the modulus of unbound or partially bound material including thin asphalt layers, unbound granular aggregate base, partially stabilized base layers, subgrade soil, etc. The LWD is suitable for testing in difficult to access areas, e.g. trenches, narrow channels, etc. Dynatest LWD is also capable of determination of the "layer modulus" using the Dual Plate System (DPS) and additional geophones.

The data collection software, residing on the PDA, displays in real time, the surface modulus and the time history graph from both the geophone(s) and the load cell. **LWD Mobile App** is supported via Bluetooth® through Android, iOS, and Windows platforms. The smartphone of your choice can be purchased as an optional component of the LWD package. *Make your next pavement/soil layer testing easier and more accurate with the Light Weight Deflectometer.*

### FEATURES:

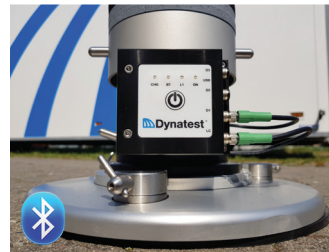
- ▶ Meets ASTM E2583-07
- ▶ One person portable operation
- ▶ Assessment of both the compaction and stiffness of material with the same unit
- ▶ Quality control of the subbase layers and subgrade before an overlay is applied
- ▶ Testing of trench restorations to reduce the chance of settlement over time
- ▶ Micro-USB charging port enables testing while charging
- ▶ Data collection with your smartphone with real time GPS
- ▶ Long battery life; up to 50 hours idle time per charge

### KEY BENEFITS:

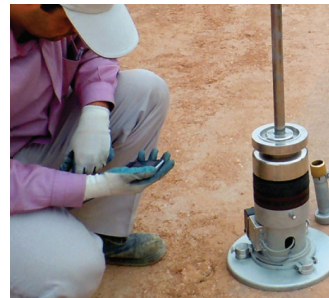
- ▶ Precision load cell to measure the impact load-time history and peak magnitude
- ▶ Rapid test allows close test point spacing ensuring homogeneity of the test section
- ▶ Modulus output at time of test



Dynatest®



*Integrated Bluetooth® module provides a stable connection*



*Data Collection with the smartphone of your choice*



*Rugged case for easy transport protects your LWD*

## LIGHT WEIGHT DEFLECTOMETER

MODEL 3032

### SPECIFICATIONS

Fully Assembled	46" x 12"
Battery	Lithium-Ion
Weight	48.5 lbs

### OPTIONAL ITEMS:

- Two external geophones
- Transportation trolley for easy hauling of the LWD along the test site