



## LIGHT WEIGHT DEFLECTOMETERS

Light weight deflectometers that are portable falling weight deflectometers (LWD) for measuring the ground elastic modulus, maximum deformation, compaction factor, elastic deflection and deformation time. The deflectometers are ideal for testing in regular as well as difficult to access areas.

Our all light falling weight deflectometers are rated IP65 under the international IEC 60529 standard and are splash and dust proof.

**INTELLITEST'S LWD FULFIL ALL THE MAJOR STANDARDS**

► IEC 60529

The deflectometers are highly versatile, and can be used in design, construction, maintenance and quality control of buildings, subdivisions, roads, railways and other environments to measure elastic modulus of unbound or partially bound material, including asphalt, granular aggregation base, base layers, soil, concrete etc.

### Features

- ▶ Results stored in device memory.
- ▶ Display for alarms and monitoring.
- ▶ Compact and easy to set up and use.
- ▶ Data can be sent to user's mobile phone.
- ▶ Computer connection with USB or Bluetooth.
- ▶ Real-time calculation and display of measurement results.
- ▶ Electronic unit can be detached for separate shipment if needed.
- ▶ Separate GPS unit to determine and store measurement locations.

### Specifications

|  |                                      |
|--|--------------------------------------|
| Falling weight                         | : 6 kg                               |
| Loading force                          | : 1 kN                               |
| Falling weight drop height             | : 670 mm                             |
| Loading plate diameters                | : 140 mm (200 mm ordered separately) |
| E-modulus range                        | : 5 - 300 MPa                        |
| Supply                                 | : 3 V (2x 1.5V alkaline batteries)   |
| Number of measurements per battery set | : >1000                              |
| Operating temperature                  | : -10 to +40 °C                      |
| Protection level                       | : IP65                               |
| Weight (excluding carrying case)       | : 10.8 kg                            |
| Dimensions                             | : 1030 x 80 x 80 (110 x 110) mm      |

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