Mobile Weighing System

The DAW 300 Bluetooth® is a portable Weigh-In-Motion System with wireless technology. The weighing system can be installed on any level area within minutes. The rated weighing capacity is up to 20 tonnes (44,000 lbs) per axle and can weigh vehicles at speeds up to 10 km/h (6 mph). Measured loads are sent wirelessly via Bluetooth® wireless technology to a laptop to be displayed on the screen. Limits for single axles, axle groups and total weight are programmable. Overweights are displayed when pre-programmed weight limits are exceeded. Weighpads are powered by a Lithium-Ion battery pack that provides 12 to 15 hours of continuous operation. Full recharging time is 3.5 hours and a smart charger is included with each weighpad.

Features

- Wireless
- Ramp or shallow-pit installation
- Portable or permanent weighing plates
- Automatic operation available
- Display all violations
- Printouts: gross weight, axle loads, group loads, limits and overloads
- Bluetooth® wireless technology upgrade available for existing units
- Optional electronics with touchscreen PC, high-speed thermal printer, inductive loop inputs, and outputs for controlling signals
System Operation

The dynamic weighing plates consist of a high-strength thin steel plate. Wire strain gauges are used for measuring the load. The entire weighpad is covered with hot vulcanized neoprene rubber. The weighing plate has handles on either end and the handle opposite to the Bluetooth® antenna is equipped with rollers for easy movement. For temporary installations the weigh plates can be placed on level ground with approach and departure ramps. For best accuracy the weigh plates can be installed in shallow pits so that their surfaces are flush with the roadway.

### Specifications

<table>
<thead>
<tr>
<th>Bending Plate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>125 cm x 50.8 cm x 2.8 cm</td>
</tr>
<tr>
<td></td>
<td>50 in x 20 in x 1.1in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>71.5 kg</td>
</tr>
<tr>
<td></td>
<td>158 lbs</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>-20° C to 70° C</td>
</tr>
<tr>
<td></td>
<td>-4° F to 158° F</td>
</tr>
<tr>
<td><strong>Weight Per Axle</strong></td>
<td>Up to 20,000 kg</td>
</tr>
<tr>
<td></td>
<td>Up to 44,000 lbs</td>
</tr>
</tbody>
</table>

**Speed Range (recommended speeds for best accuracy)**

- **Ramp Installation**: 1 to 6 km/h, 0.5 to 4 mph
- **Pit Installation**: 1 to 10 km/h, 0.5 to 6 mph

**Accuracy**

- **Dynamic**: ±3% at recommended speeds

**Wireless Distance**

- **Bluetooth®**: 30 m (99 ft); up to 100 m (328 ft)

**DAW 300 Electronics (optional)**

- **Temperature**: 0° C to 50° C, 32° F to 122° F
- **Power**: 12 v. DC Battery, 60 amp/hour battery provides 12-15 hours use
- **Computer**: Intel Atom, Touchscreen
- **Outputs**: Relay outputs (2) for signals
- **Inputs**: Digital inputs (2) for inductive loops
- **Printer**: Thermal Printer
- **Case**: Black or Safety Orange Shock-tested

*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such trademarks by International Road Dynamics Inc. is under license. Other trademarks and trade names are those of their respective owners.*

---

Corporate Office
702 - 43rd Street East
Saskatoon, Saskatchewan
Canada S7K 3T9
Tel: +1(306) 653-6600
Fax: +1(306) 242-5599
Toll Free: +1-877-444-4IRD (4473)
Email: info@irdinc.com
Find out more about IRD on our website: www.irdinc.com
IRD products and components are protected by one or more worldwide patents and/or trademarks.
IRD reserves the right to change, modify, or improve its products at any time without notice.
PRINTED IN CANADA