



**We make  
highways  
talk™**

- **MANAGEMENT**
- **SAFETY**
- **PRESERVATION**

*International Road Dynamics Inc. develops and maintains traffic management products and systems technology that make highways talk. What are they saying? They are providing information that roadway administrators need to manage traffic, preserve infrastructure and provide safety warnings to drivers.*

*IRD's multi-discipline, innovative and customer-focused team is expert in advanced technologies, advanced traffic solutions and custom-designed systems.*

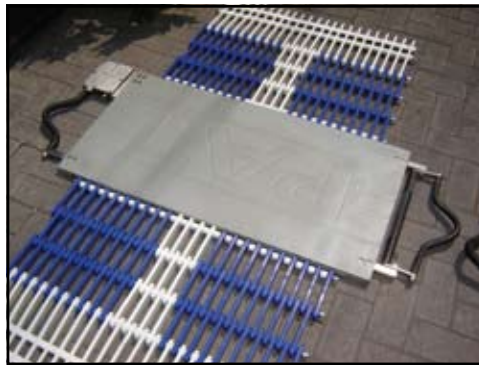


**CUSTOMER  
DRIVEN™**

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## DAW 300 Bluetooth® 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 kph (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.



DAW 300 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



Notebook Computer w. Bluetooth used as Controller



Optional DAW 300 Electronics:  
Touchscreen PC & Panel Printer in Shock-tested Case



# DAW 300 Bluetooth® Specifications

## DAW Portable Weighing Plates

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.



Ramp Installation



Pit Installation



Optional Safety Orange Case

## TECHNICAL DATA

### Bending Plate

Size:	125 cm x 50.8 cm x 2.8 cm 50 in x 20 in x 1.1 in
Weight:	71.5 kg 158 lbs
Temp:	-20° C to 70° C -4° F to 158° F

**Weight Per Axle:** Up to 20,000 kg  
(Up to 44,000 lbs)

### Speed Range - recommended speeds for best accuracy

Ramp Installation:	1 to 6 kph 0.5 to 4 mph
Pit Installation:	1 to 10 kph 0.5 to 6 mph

### Accuracy

Dynamic: ±3% at recommended speeds

### Wireless Distance

Bluetooth®: 30 m (99 ft); up to 100 m (328 ft) with extended range antenna

### 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

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