



**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™**

JUNE 2008, REV F
PRINTED IN CANADA

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 weighing capacity is 20 tons per axle and can weigh vehicles at speeds up to 11 kph (6.8 mph) with permanently installed bending plates. Measured loads are sent wirelessly via *Bluetooth*® wireless technology to a laptop to be displayed. Limits for axle and total weights are programmable. An alarm tone will sound when pre-programmed weight limits are exceeded.



FEATURES

- Wireless
- Portable or Permanent
- High speed thermal dot matrix printer
- Printouts: gross weight, axle loads, group loads, limits and overloads
- Portable or permanent weighing plates
- Display all violations
- Automatic operation available
- *Bluetooth*® wireless technology upgrade available for existing units



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 best accuracy the weigh plates are installed in shallow pits so that their surfaces are flush with the roadway. For temporary installations the weigh plates can be placed on level ground with approach and departure ramps.



PORTABLE INSTALLATION



PERMANENT INSTALLATION

TECHNICAL DATA

Bending Plate

Size:	116.8 cm x 50.8 cm x 2.3 cm 46 in x 20 in x .9 in
Weight:	67.9 kg 150 lbs
Temp:	-40° C to 80° C -40° F to 176° F

Weight Per Axle:	498 kg to 19,910 kg 1,100 to 44,000 lbs
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Speed Range - recommended speeds for best accuracy

Temporary Install:	1 to 7 kph 0.6 to 4.3 mph
Permanent:	1 to 11 kph 0.6 to 6.8 mph

Accuracy

Static:	2% 1m (3.3 ft) WPM
Dynamic:	3% 1 to 5 kph (0.6 to 3.1 mph)

Temperature

Laptop:	0° C to 50° C 32° F to 122° F
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