



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™**

DAW 300 PC Mobile Weighing System

The DAW 300 is a portable Weigh-In-Motion System. 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. The microprocessor controlled electronics are built into a rugged, portable metal enclosure. The loads which have been measured are displayed on the PC and can be printed on the tape printer. Limits for axle and total weights are programmable. Alarm tone will sound when pre-programmed weight limits are exceeded.



Features

- Portable
- 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

DAW 300 PC

Specifications

DAW Portable Weighing Plates

The dynamic weighing plate 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 is equipped with handles and is connected to the electronics unit by a cable. The handle opposite to the cable connector 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



MOBILE HOUSING



PORTABLE BENDING PLATE

TECHNICAL DATA DAW 300

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

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 - 5 kph (0.6 - 3.1 mph)

Electronics

Size: 49.5 cm x 34.5 cm x 19.1 cm
19.5 in x 13.6 in x 7.5 in

Weight: 6 kg
13.2 lbs

Temp: -35° C to 70° C
-30° F to 158° F

Laptop: 0° C to 50° C
32° F to 122° F



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