



IN-MOTION SYSTEMS



SETTING THE
INDUSTRY STANDARD
SINCE 1830



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

Fairbanks® Scales and International Road Dynamics Inc. are working together to develop and maintain 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 warning to drivers. Fairbanks-IRD's innovative, customer-focused team is comprised of multi-discipline experts in advanced technologies, advanced weighing solutions and custom-designed systems.

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 surface within minutes. The rated weighing capacity is up to 44,000 lbs per axle and can weigh vehicles at speeds up to 6 miles per hour. Measured loads are sent 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

- 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 versions are available
- Optional electronics with touchscreen PC, high-speed thermal printer, inductive loop inputs and outputs for controlling signals

DAW 300 PC MOBILE WEIGHING SYSTEM

The dynamic weighing plate consists 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 one end 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 its surfaces are flush with the roadway.

SPECIFICATIONS

Bending Plate

Size 50 in x 20 in x 1.1 in
125 cm x 50.8 cm x 2.8 cm

Weight 158 lbs
71.5 kg

Temperature -4° F to 158° F
-20° C to 70° C

Weight per axle Up to 44,000 lbs
Up to 20,000 kg

Speed range (recommended for best accuracy)

Ramp installation Range of .5 to 4 mph
Range of 1 to 6 kph

Pit installation Range of .5 to 6 mph
Range of 1 to 10 kph

Accuracy (dynamic) ± 3% at recommended speeds

Electronics (optional)

Temperature 32° F to 122° F
0° C to 50° C

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

Case Black or safety orange,
shock-tested

Bluetooth® 99 feet up to 328 feet
(30 meters up to 100 meters)
with extended range antenna



Portable installation



Mobile housing



Portable bending plate