



DAW 100

Weigh-In-Motion Electronics

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.

FEATURES

- Automatic stand alone or real time network operation
- Remote or on site data readout
- Application-specific layouts of sensor and lane configurations
- Proven lightning protection for all interfaces
- Special non-standard classification schemes on user request
- Different roadside data processing and storage modes
- AVI interface and records



The DAW 100 is a high quality automatic weigh-in-motion and classification system for traffic data collection. The DAW 100 can be used for a wide field of applications:

- Traffic and pavement planning/design (ESAL statistics)
- Volume, weight and speed statistics
- Maintenance planning
- Mainline screening in combination with AVI (Automatic Vehicle Identification)
- Violation statistics
- Load flow analysis for traffic control and more

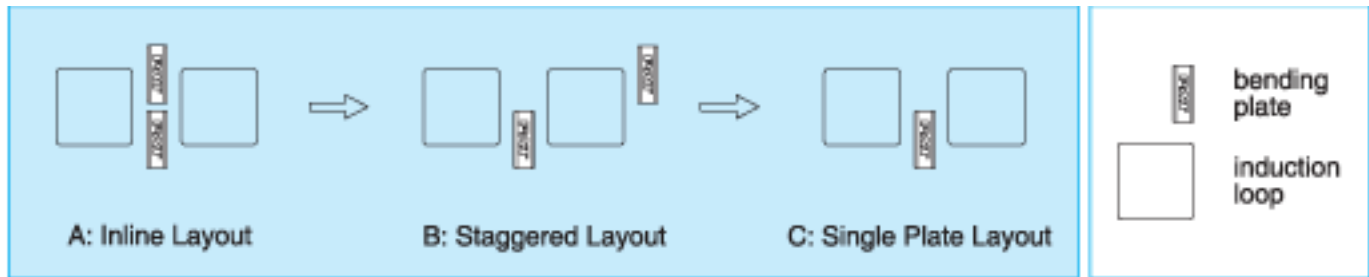
The electronics are built in modular low power C-MOS technology with high flexibility in sensor combinations. The wide temperature range allows for applications in virtually any road side environment without additional heating or cooling. For data evaluation, provides you with extensive support software (incl. SHRP and TMG formats). The data may be presented in tables or graphics.

THE DAW 100

- Monitors up to 6 lanes
- Has a rugged design and wide temperature range
- Uses solar or AC power supply
- Stores single vehicle data or preprocessed binned vehicle data
- Has a high meantime between failure (MTBF) of bending plate for long term reliability and economy



DAW 100 - WEIGH-IN-MOTION ELECTRONICS



Dimensions and Weight:

40 cm high x 40 cm wide x 25 cm deep

40 cm high x 30 cm wide x 26 cm deep (European Version) usually enclosed in outer cabinet

Power:

The system can be operated on a rechargeable 12V battery, a solar power array or line power. Programmed parameters and stored vehicle data are protected against loss of information for three months.

Weight range:

0,5 to 20 t per axle

Speed range:

5 to 200 km/h

Temperature range:

-40°C to +70°C

some modems may have a smaller temperature range

Vehicle classification schemes:

US FHWA Scheme F

European Schemes

other schemes with up to 48 different types available

parameters user changeable

Cable length:

sensor - electronics 40 m standard

Data:

Wheel Load

Axle and axle group load

Gross weight

Axle spacing

Speed

Vehicle Classification

Violation codes

Optional Equipment:

Central monitoring and data evaluation software (Road Reporter)

up to 4 MByte data storage

12 V DC solar power

battery powered modem

laptop PC for on-site data display, on-site data downloading, functional tests and parameter setting

modem (up to 38400 baud)

uninterruptable power supply



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