



**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.



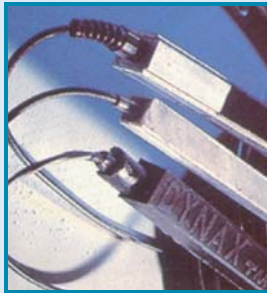
**CUSTOMER
DRIVEN™**

TRAFFIC SENSORS

**FOR RELIABLE AND ACCURATE
TRAFFIC PLANNING AND DATA
COLLECTION**



IRD DYNAX®



IRD DYNAX® Axle Sensor

Resistive sensor specially designed to operate independent of speed in stop-and-go traffic
Rugged and Reliable

Can be permanently installed with epoxy in a sawcut in asphalt or concrete surfaces or held in place by locking bars in a treadle frame

Sensor replacement significantly reduces traffic control and road closure expenses

IRD DYNAX® Treadles

Are ideal for toll plazas

Available in a variety of models, including single, two, three and four sensor models

Can be retrofit into existing frames or supplied with frames for new installations

Sensors are individually replaceable, minimizing downtime and treadle replacement expenditures



Speed independent

Both in-road & treadle models

Individually replaceable

PIEZOELECTRIC SENSORS

Class 1 for Weigh-In-Motion;
Class 2 for Vehicle Classification

Portable & Permanent

MSI (Measurement Specialties Inc.)

The MSI BL sensors' unique flat design results in a more accurate count by rejecting road noise and reducing "ghost axles"

Constructed with proven components and assembled in a unique way to improve longevity and uniformity

Encapsulated sensor available for good adhesion to the epoxy and protection of the sensor

Available in a variety of sensor lengths

Thermocoax Inc.

Specially designed for shallow installations in thin or reinforced pavements where deeper excavation is a problem

Steady output signal over the complete axle

Proven sensor technology independently tested by FHWA



IRD also stocks road tube and road ramp, and offers a complete array of road accessories, epoxies, and grouts for installations

www.irdinc.com

NON-INTRUSIVE VEHICLE DETECTOR

Radar & acoustic detectors

No road cuts

Multi-lane

Counting, lane occupancy, average speed and classification for highways, rural, and grid roads including gravel roads and bridges

No traffic sensors installed in the road or on the top of the road surface

Minimal installation time

In most instances, no road closure required

Low power consumption

Wireless option available

Applications include:

Permanent and mobile counting stations

Intersections, stop bar and mid-block detection

Freeway management and incident detection

Traveler information and travel time prediction

Queue detection and work zone safety



INDUCTIVE LOOPS & MAGNETOMETERS



Inductive Loops

Permanent loops of any dimension for installation with epoxy in roads

Temporary loops which are secured onto the road surface with adhesive tape

Preformed loops for new roads



Magnetometers

Direct replacement for inductive loops

Quick installation with a single 3/8" sawcut

Compact, robust one-piece construction

Designed to reduce the effects of temperature fluctuations and destabilizing magnetic fields

Vehicle presence, counting, speed and classification

Other applications include car wash entry/exit, drive up kiosks, overhead door activation, loading docks and gate control

Reliable and low cost

Permanent and temporary models

Easy installation

Please contact us for all your traffic classifier, counter, sensor and Weigh-In-Motion requirements at products@irdinc.com

www.irdinc.com



IRD (International Road Dynamics Inc.) is a multi-discipline company that specializes in advanced traffic monitoring, planning, and management technologies. IRD services range from equipment supply to fully integrated turnkey systems and long-term operations, management and support.



***CUSTOMER
DRIVEN™***

IRD is registered with the ISO 9001 quality control program and is committed to total quality in all areas of expertise, from design and development to manufacturing and installation to long-term service

IRD products and components are protected by one or more U.S. and Canadian patents. IRD reserves the right to change, modify, or improve its products at any time without notice

Technical specifications subject to change without notice



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