wimix

Weigh-in-Motion data logger

sterela
ITS

ASSETS

Simple
Fast installation and configuration

Competitive
Excellent price-performance ratio

Scalable
Up to 8 loops and 8 piezos

Versatile
Axle-based custom classification

Connected
3G modem or Ethernet interface

Solar/Mains powered
Low consumption

Extreme conditions
Resistant to harsh environments
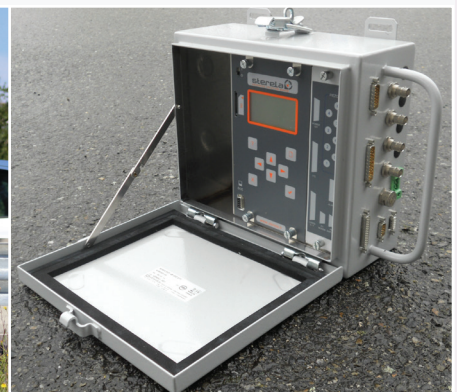
Durable
Long-lasting without maintenance

DEFINITION

WIMIX is a complete WIM data logger that enables to provide statistics on traffic flows and vehicle weights, and to calculate the real aggressiveness of HGVs on the carriageway.

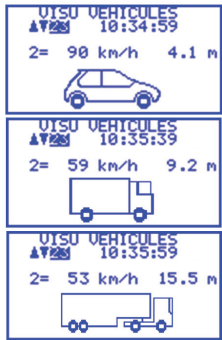WIMIX can also identify overloads on vehicles gross weight and axle loads and send alerts in real-time.

APPLICATIONS

- Statistics
- Preselection of overloaded vehicle
- Bridge protection
- Pavement design
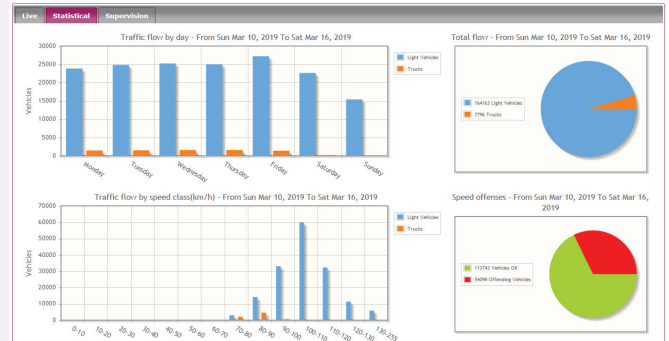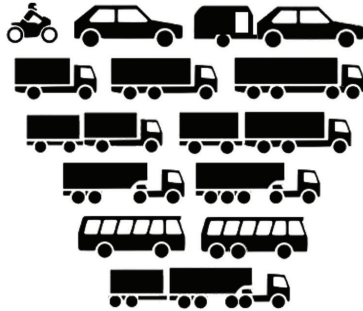- Road maintenance planning

Real-time display

More than 70 categories

FEATURES

- Up to 4 traffic lanes
- Vehicle-by-vehicle recording
- Real-time notification of overloading and over speeding
- Remote monitoring
- Seamless data upload to WEBTRAFFIC

ACCURACY

- Flow by direction : ±1%
- Speed : ±2km/h or ±2%
- Vehicle classification : ±5%
- Gross Vehicle Weight : ±10%
- WIM Confidence level : ≥ 95%

WEB TRAFFIC

WEBTRAFFIC is a cloud-based "Software as a Service" that collects, analyzes and shares traffic data from road networks.

- Intuitive interface
- Secured access
- Users rights management
- Site mapping
- Automatic data collection
- Efficient analysis tools
- Custom reports
- Planning tool for periodic surveys
- Remote supervision
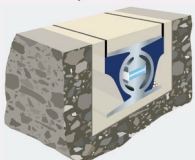- Alert messages by e-mail or SMS
- Public web pages

https://webtraffic.mysterela.com

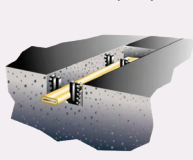| Sensor	Layout	Measurement
2 loops		Traffic flow, speed, length
2 loops + 1 piezo		Number of axles, axle type (single, tandem, tridem) Distance between axles
2 loops + 2 piezos		Axle loads Gross vehicle weight
2 loops + 4 piezos		Vehicle lateral position Wheel type (single, twin)

TECHNOLOGY

- Piezo-polymer for axle detection
- Piezo-quartz for weighing

Piezo-quartz

Piezo-polymer

CHARACTERISTICS

- User friendly interface
- Real-time display of sensor detections and passing vehicles
- Easy configuration and data retrieval using SD card
- Memory up to 400 000 vehicles

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ADVANCED SOLUTION MAKER

V1905