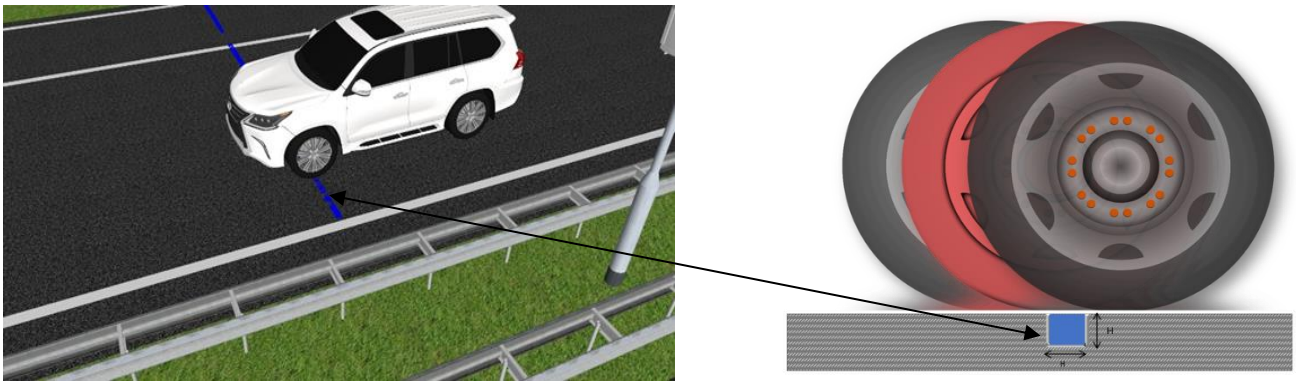
Tecnovía
Sociedad Anónima

# AXLE COUNTER
## VEHICLE CLASSIFYING

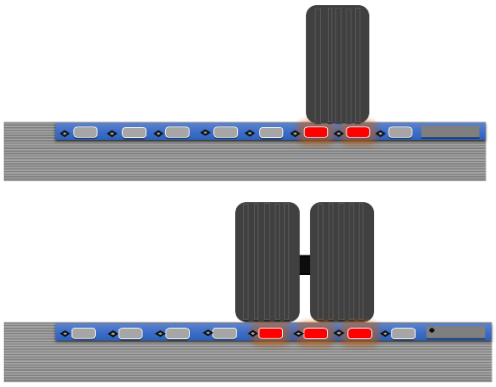
## TEC-PM12

**AT ANY TRAFFIC SPEED THE TEC-PM12 ELECTRONIC DEVICE DETECTS THE AXLES AND THE PROPORTIONAL DISTANCE BETWEEN THEM.**

**This information is sent in real time to a multilane controller to classifying the vehicles.**



**The system is also capable of detecting single and dual wheel configuration by the activation of several electronic cells in the array.**

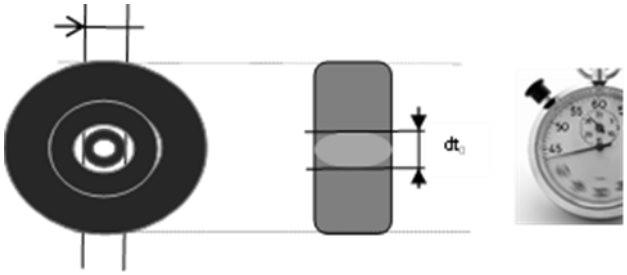



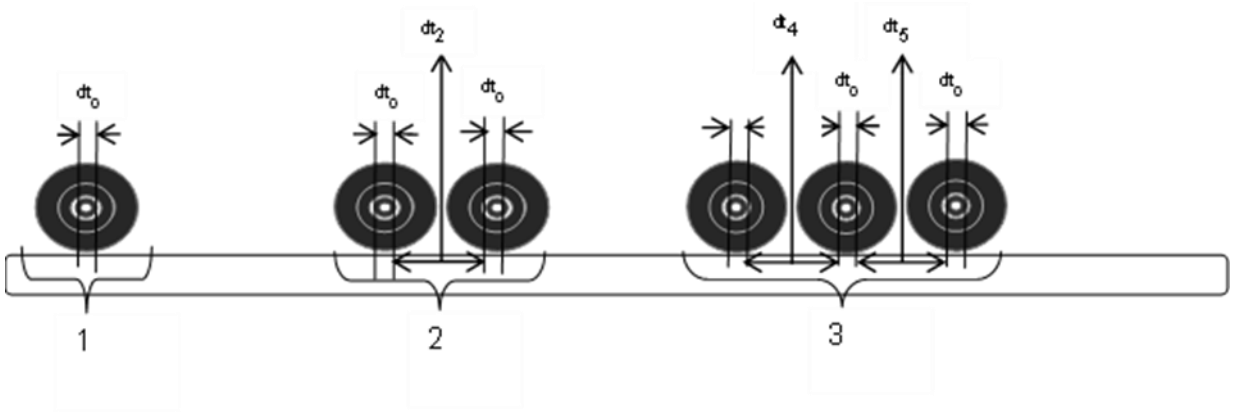
INFO@TECNOVIA.COM.AR

WWW.TECNOVIA.COM.AR

# AXLE COUNTER
## VEHICLE CLASSIFYING

**The time gap of the wheel passing over the TEC-PM12 device is measured to establish axel distance and class configuration.**





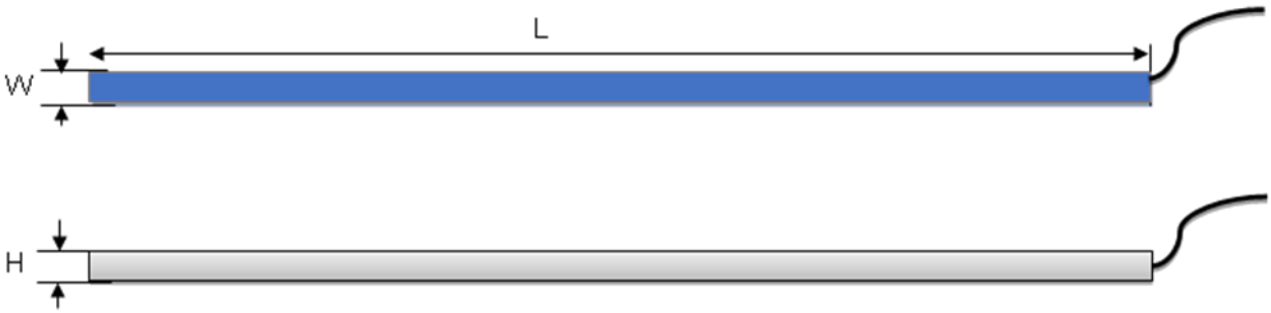

**The information obtained by the software process is shown in the graph below**

| Road | Km | Axles | | Tandem/Tridem | | Class | Time(ms) | Occupancy |
|---|---|---|---|---|---|---|---|---|
| 8 | 154 |  | 1 |  | 1 | 6 | 850 | 35% |
| | |  | 5 |  | 1 | | | Gap/Headway |

# AXLE COUNTER

## VEHICLE CLASSIFYING

## GENERAL DESCRIPTION




- Dimensions: L=1500 or 2000 mm, W=25mm, H=25mm.
- Easy installation with a narrow slot cut in the pavement.
- High resistance resin enclosure.
- Controller with relay outputs for manual and automatic toll lanes up to 40 km/h.
- TCP/UDP communication, Industrial PC box system with embedded software for multilane free flow systems and in roadway-based-system.

## APPLICATION AREAS

**1_ Toll plaza automatic and manual lanes.**
**One of the most popular applications is detecting single wheel and double wheel axles, relaying information to lane controllers. It's a plug and play device to connect to any ETC systems.**

**2_Multilane free flow axle classifier.**
**Integrated in our middleware free flow identification system, combined with Tags readers, LPR and Lidar Scanner determine the class and identification of the vehicle with high accuracy.**

**3_In roadway-based systems for classifying and counting vehicles.**
**Used for measuring and predicting traffic flow, giving accurate information of the classified vehicle in different points of the roadway network and uploading information to a cloud analytics software.**

**INFO@TECNOVIA.COM.AR**

**WWW.TECNOVIA.COM.AR**