# RoadPod® VL

## Continuous monitoring with inductive loops

### Cost-effective permanent monitoring

The RoadPod® VL uses permanently embedded inductive loop sensors to detect when vehicles pass through the inductive field of a traffic lane.

This creates an economical and efficient solution for permanently monitoring a one-lane road or a busy sixteen-lane highway.

### Off-grid and low maintenance

The RoadPod VL is powered by a solar panel and dual battery system, allowing for continuous data collection in all weather and lighting conditions.

Together, the sensors and monitoring system are robust and require minimal to no maintenance.

### Retrofitting the RoadPod VL

Already have inductive loops installed? Use the *LoopScope* & *LoopMonitor* diagnostic tools to assess them for quickly retrofitting the RoadPod VL.

These tools also validate new installations for optimal data quality prior to surveying.

### Detailed data or simple traffic volumes

Choose to use the RoadPod VL5805 with a single inductive loop per lane to collect volume information only. If more detailed traffic data is required, the RoadPod VL5810 uses two loops to time-stamp every vehicle and provide speed, length-based classification, volume, direction, gap and headway information.

#### *RoadPod VL5810: Detailed data*

Rather than recording information on every axle, the VL5810 measures the length of each vehicle passing the inductive field. Data is then processed with the MTE software, which offers standard length-based classification schemes and the option to create custom ones.

#### *RoadPod VL5805: Simple traffic volumes*

The VL5805 is designed for projects where only volume information is required, storing up to 4 years of binned counts. The MTE software enables fully configurable bin sizes, thresholds and lockout times.

## Expert data services can include:

- Receiving validated data at a schedule of your choice.
- Automated weekly system checks to ensure optimal functionality long-term.
- Receive prompt notification of any data anomalies.
- Choose to receive customised reports, spreadsheets or .csv files prepared by MetroCount data specialists.
- Choice to have information automatically loaded to ATLYST® analytics dashboard for automated analysis.


# RoadPod® VL 5810 & 5805 Hardware Specifications

| | |
|---|---|
| **Sensors:** | Inductive loops |
| **VL5810 Memory:** | Up to 250,000 vehicles per lane |
| **VL5805 Memory:** | Up to 4 years of data regardless of volumes (5-minute data bins) |
| **Battery life:** | Unlimited. Solar panel and rechargeable battery system |
| **Battery:** | 6V 18Ah, 4 D alkaline cells |
| **Enclosure:** | Stainless steel mounted cabinet with embedded solar panel |
| **Dimensions:** | 40x30x110cm |
| **Operational:** | From -20°C to 70°C degrees and up to 95% humidity |

**Included:**
- Unlimited MTE software users

**Optional:**
- Remote data delivery
- Custom data reports
- ATLYST® online analytics
- ATLYST® API

*The RoadPod VL is the perfect solution for monitoring tolls or entries to tourist attractions and/or commercial areas.*

> We already had loops installed, thus we retrofitted the RoadPod VL to these sensors. They work very well and we are very satisfied.
>
> To date, they have never given operational problems. Battery life is also good. The price / quality ratio is excellent, when compared to other similar devices.
>
> **- CANTON TICINO, SWITZERLAND**

*One inductive loop per lane provides accurate volume data. 2 loops provide length-based classification & speed information.*

*Inductive loop installation is straight-forward. Already have loops installed? Easily retrofit the RoadPod VL.*

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