



# RoadPod® VP Vehicle Piezo Counter

## *The Axle Data Benchmark*

### Meaningful traffic data

Using MetroCount's pioneered monitoring approach, the RoadPod® VP stores every axle that passes over the sensors. MetroCount installation and great sensitivity of the piezoelectric sensors ensure the highest level of accuracy in capturing vehicle volume, speed and classification.

### Four sensors - Two lanes

Designed to monitor multi-lane roadways, the RoadPod® VP connects to four piezo strips. This enables one unit to simultaneously record traffic on two lanes. For covering more than two routes, multiple units can be deployed at

the site, with effortless combined post-processing of all data within MTE™.

### Low profile integration

Piezoelectric strips are a discreet, non-obtrusive solution to permanent traffic monitoring. During the installation, the piezo strips are connected to coaxial cables with BNC connectors. This process facilitates the cables to be sized to the correct length and then to securely connect with the unit located in a roadside cabinet. Additionally, the embedding of sensors into the pavement ensures maximum longevity on road with heavy traffic.

## MC Piezo Test

### Detailed summary of piezo installations

The MC Piezo Test is the only unit of its kind in the world, providing detailed diagnostic information on the installation of piezoelectric strips.

The unit allows road managers to accurately calibrate any piezo sensors, including those used by WIM systems and speed cameras. Designed to provide instantaneous

diagnostics as well as record information from the piezo sensors post-installation, the MC Piezo Test provides detailed analysis of voltage offset, electrical noise, leakage and capacitance. This information is used to validate the installation and confirm the high degree of accuracy and compliance with contractual technical specifications.



*The MC Piezo Test is the world leading technology for characterizing and verifying piezo sensor installations.*



## RoadPod® VP 5710 Hardware Specifications

**Sensors:** Piezoelectric strips

**Battery:** Internal: 6V 18Ah, 4 D alkaline cells  
External: 12V ongoing solar panel charging

**Internal battery life:** 180 days of continuous use or 5 years as backup for external battery

**Sensor spacing:** 80 - 200cm

**Enclosure:** Stainless steel mounted cabinet

**Included:** MTE™ software, operating manual

**Required:** Data communications cable

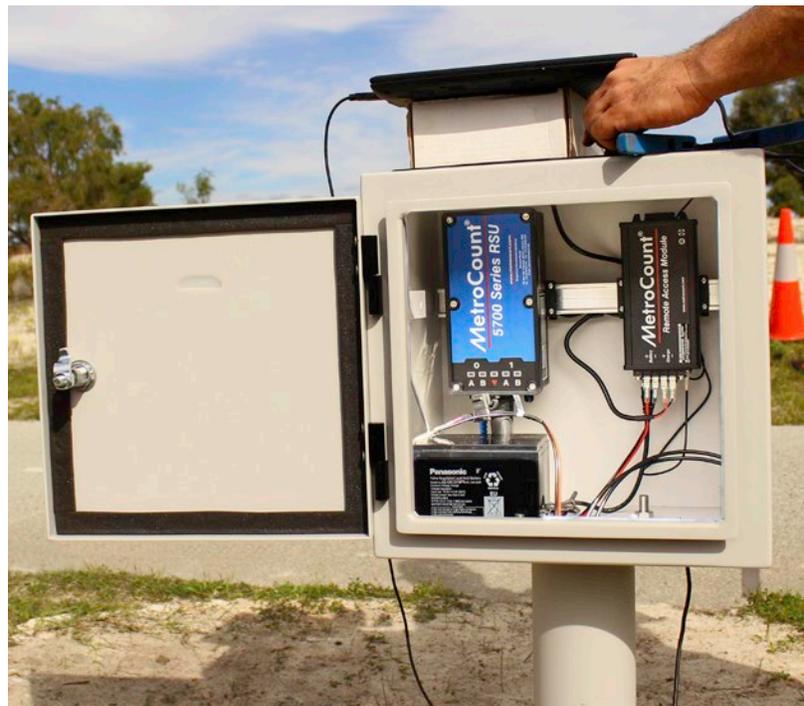
**Add-ons:** FieldPod® remote access module



Weatherproof cabinet with 3G antenna and solar panel.



Low profile piezo sensors.



The MetroCount cabinet houses all the required hardware.

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