



RidePod™ BP Bike Piezo Counter

Detailed Network Performance

High Sensitivity Detection

The RidePod™ BP uses paired piezoelectric sensors embedded in the pavement to detect bikes. As a bike passes over, these sensors react to the changes in pavement stress recording two timestamps for each axle providing the high accuracy in detection. MetroCount has developed proprietary equipment and algorithms to detect and process these bike signals providing useful data outputs.

Count In A Cluster

With cyclists often traveling in clusters, MTE data analysis algorithms effectively distinguish varying patterns of bicycle grouping. This information can be analyzed in the MTE software, providing useful information about the patterns of cycling in an area.

Speed Information

Monitoring the speed and headway of bike paths can help to identify potential hazards. Filtering volumes by speed and direction helps visualise cycling during peak and off-peak periods.

Discrete Cabinet

For permanent bike monitoring, MetroCount's discreet roadside cabinet has been purpose built to securely house components. Weatherproof construction ensures equipment is protected from the elements and the fixed solar panel and 3G modem provide autonomous power and remote data connection.

MetroCount Cycling Specialists

MetroCount have in-house bike specialists that have years of experience in all facets of bike data collection. Bike specialists can manage the entire process from site selection and installation, right through to the delivery of data and assisting with analysis.

RidePod™ + FieldPod®

The RidePod™ BP can be extended to provide remote functionalities with the optional FieldPod® add-on. Through the mobile network, FieldPod® enables remote download, data checks and site diagnostics.



RidePod™ BP is discretely mounted by the roadside, fitting in with the urban street scape.



RidePod™ BP 5720 Hardware Specifications

Power: Internal: 6V 18Ah, 4 D alkaline cells. Cabinet: 12V rechargeable battery for ongoing solar panel charging.

Model Number: 5720

Internal Battery Life: 180 days continuous use or 5 years as backup for external battery.

Sensor type: Piezoelectric strips.

Sensor spacing: 800mm to 2000mm.

Enclosure: Cabinet mounted.

Included with RidePod™ BP: MTE™ software, operating and reference manual.

Required accessories: Data communications cable.



RidePod™ BP permanently installed bike monitoring system on a shared path.



Piezo sensors provide both the high sensitivity to detect bike axles and the low profile to go unnoticed.



VicRoads record bikes at around 40 sites both on and off road with the RidePod™ BP.

Individual Cycle
Recording Capacity

Bicycle Volume	Days (approx.)
4,000 bikes per day	120
2,000 bikes per day	240
1,000 bikes per day	480
500 bikes per day	960

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