

HI-TRAC® CMU-L

CYCLE & PEDESTRIAN MONITORING UNIT

- MONITOR CYCLISTS AND PEDESTRIANS SIMULTANEOUSLY
- TRANSMITS DATA VIA GPRS/2G/3G/4G
- INTEGRATES WITH CYCLE ACTIVE INFORMATION DISPLAY



OVERVIEW

The HI-TRAC® CMU is a small, low powered, low cost electronic system capable of monitoring up to 4 cycle lanes and 4 pedestrian lanes.

The CMU uses inductive loop sensor technology to detect bicycles in either dedicated cycle ways or paths as well as pyroelectric infrared sensors to detect pedestrians.

Although the CMU-L cannot classify different variations of non motorized vehicles, it can be used on rugged trails since inductive loops can be buried in the gravel.

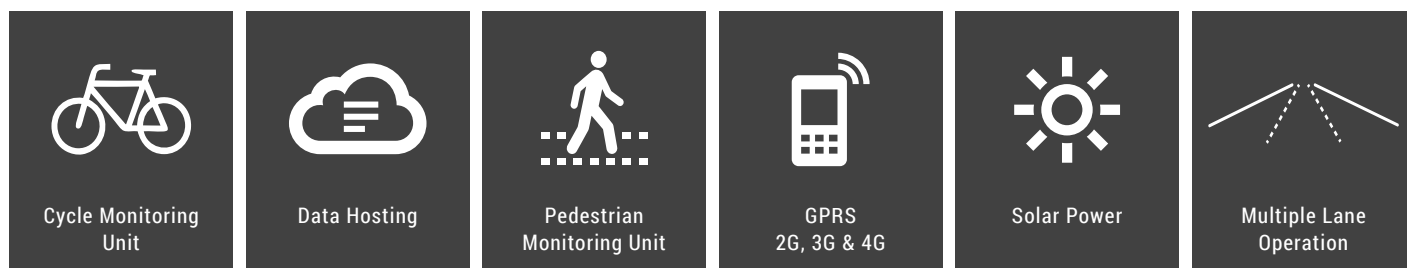
The CMU can be powered by a small 3W solar panel mounted on top of a small pillar, supported by two rechargeable 6v 12AH batteries to form a fully standalone permanent solution or use lithium batteries.

The CMU unit is sealed to IP68 and can be installed into a small pillar or post.

The CMU can be configured to automatically transmit traffic data via GPRS/2G/3G/4G to a web server for secure data storage to a database.

Legacy GSM dial-up communication is also supported.

KEY FEATURES



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ADDITIONAL FEATURES

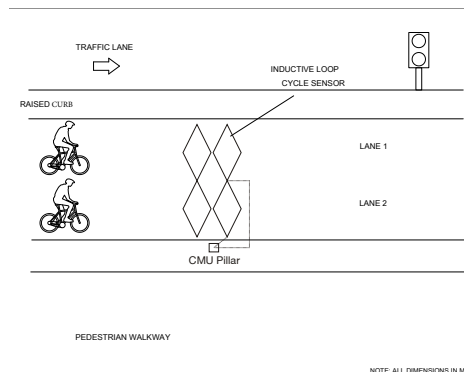
- Detects: Bicycles, Bicycle Clusters, Bicycles in two directions, Bicycles with Pedestrian walking and Bicycles on rugged paths.
- Measures: Speed, Direction and Gap/Headway
- Vehicle-by-Vehicle (VBV) data storage
- Triggers for Cycle Signal Priority
- Installed into dedicated cycle ways or paths
- GPRS/GSM Telemetry Option
- Bluetooth™ Option
- Pedestrian detection using pyroelectric infra red sensors

INSTALLATION

- Up to two Inductive Loop Sensors per lane.
- One Pyroelectric Infra Red Sensor per walkway.
- CMU electronics housed in above ground pillar or post.
- Typical installation time – 2 hours.

SOFTWARE

- HI-COMM 100 Compatible
- Data Download, Analysis, Real Time VBV View, Report Generation & Diagnostics
- Data hosting and reporting service
- App for Android for easy set up



TECHNICAL SPECIFICATIONS

STORAGE CAPACITY

- 8GB microSD Non-Volatile 365 Day VBV Capacity

INPUT/OUTPUT PORTS

- 4 Nos. Inductive Loop Sensors
- 4 Nos. Infra Red Sensors
- 2 Nos. GPRS/GSM/2G/3G/4G Modem
- 1 No. Bluetooth™
- 4 No. Triggered Outputs

DIMENSIONS & WEIGHT

- W - 120mm
- D - 60mm
- H - 110mm
- Weight: 1 kg

POWER SUPPLY

- 6 v 10 AH Lead Acid Rechargeable or Lithium Batteries
- Optional integrated 3W solar panel mounted on Haldo pillar

DETECTOR

- HI-TRAC Cycle Monitoring Unit (CMU)
- Loops



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