

HI-TRAC® UTC-L

UNIVERSAL TRAFFIC COUNTER



- LOW POWER / LOW COST SOLUTION WITHOUT COMPROMISING CAPABILITY
- TRANSMITS DATA VIA GPRS
- UP TO 8 LANES OF MONITORING WITH 8GB DATA STORAGE



OVERVIEW

The HI-TRAC® UTC-L is a small, low powered, low cost electronic system capable of monitoring up to 8 traffic lanes.







The UTC-L uses established loop sensor technology with TDC's Advanced Loop Profiling function to detect mixed traffic whilst recording vehicle classification, speed, gap and headway.

The UTC-L can be powered by a small 3W solar panel mounted on top of a small pillar, supported by two rechargeable 6v 8AH batteries to form a fully standalone permanent solution.

The UTC-L unit is sealed to IP68 and can be configured to automatically transmit traffic data via GPRS to a web server for secure data storage to a database.

GSM/4G dial-up communication is also supported.

KEY FEATURES

 Counter & Classifiers	 Data Hosting	 Multiple Lane Operation	 8GB Storage	 GPRS 2G, 3G & 4G	 Solar Power
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BENEFITS

- 4 Lanes Loop-Loop Counter / Classifying
- 8 Lanes Single Loop Counting
- Single Loop Speed & Classification Detection Mode
- Advanced Loop Profiling
- Programmable Vehicle Classifications
- Measures: Classification, Speed, Direction and Gap/Headway
- Vehicle-by-Vehicle (VBV) data storage
- GPRS/GSM/4G Telemetry Option
- Bluetooth Option
- Sealed to IP68
- Long Battery Life

INSTALLATION

- Two loop sensors per traffic lane
- UTC electronics housed in roadside cabinet or haldo type pillar
- Typical installation time – 2 hours

SOFTWARE

- HI-COMM 100 Compatible
- Data Download, Analysis, Real Time VBV View, Report Generation & Diagnostics
- Data hosting and reporting services



TECHNICAL SPECIFICATIONS

ACCURACY DATA

- | | |
|-------------------|--------------|
| • Volume | 99% |
| • Gap | ±8% |
| • Speed | ±1.5% |
| • Length | ±8% |
| • Headway | ±7% |
| • AVC Speed Range | 1 to 180 kph |

AVC ACCURACY (EURO 6)

- | | |
|--------------------------------|-----|
| • Class 1: Motorbike | 95% |
| • Class 2: Cars/Vans | 97% |
| • Class 3: Cars/Vans + Trailer | 97% |
| • Class 4: Rigid HGV | 97% |
| • Class 5: Articulated HGV | 97% |
| • Class 6: Buses & Coaches | 95% |

STORAGE CAPACITY

- 8GB microSD Non-Volatile 365 Day VBV Capacity

INPUT/OUTPUT PORTS

- | | |
|----------|-----------------------|
| • 8 Nos. | Inductive Loop Inputs |
| • 1 No. | GPRS/GSM/4G Modem |
| • 1 No. | Bluetooth |
| • 4 Nos. | Triggered Outputs |

DIMENSIONS & WEIGHT

- | | | |
|------------------|------------|-------------|
| • W - 120mm | • D - 60mm | • H - 110mm |
| • Weight: 1.5 kg | | |

POWER SUPPLY

- 6v 10 AH Lead Acid Rechargeable
- Power Consumption 0.02W
- Optional integrated solar panel or mains power supply