



DESIGNERS & MANUFACTURERS OF
TRAFFIC DATA COLLECTION, MONITORING
AND ENFORCEMENT SYSTEMS

HI-TRAC[®] UTC-L

UNIVERSAL TRAFFIC COUNTER

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, wheelbase, gap and headway.

The UTC-L is powered by a small, sealed lithium battery mounted externally to the unit.

The UTC-L battery life for standard operation is 1 year.

The UTC unit is sealed to IP68 and can be installed into either a small roadside pillar or post or into a small sub-surface chamber.

The UTC can be configured to automatically transmit traffic data via GPRS to a web server for secure data storage to a database.

GSM dial-up communications is also supported.

FEATURES

- 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 Telemetry Option
- Bluetooth Option
- Sealed to IP68
- Long Battery Life (typically 1 year)





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TECHNICAL INFORMATION

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

32 Mb Flash Mass Storage Media Drive
3,000,000 Vehicle VBV Records

INPUT/OUTPUT PORTS

8 Nos.	Inductive Loop Inputs
1 No.	GPRS/GSM Modem
1 No.	Bluetooth [®]
2 Nos.	Triggered Outputs

POWER

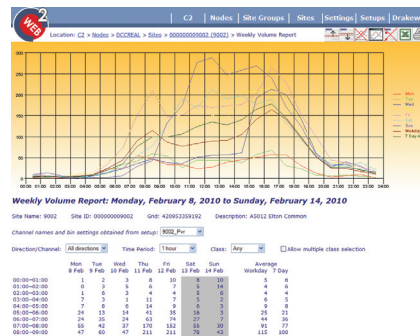
7.2v Battery 18AH Lithium
Thionyl Chloride

SOFTWARE

HI-COMM 100 Compatible
HI-COMM EZY Compatible
HI-COMM LITE Windows Mobile
Application (for suitable mobile phones)

Drakewell C2 Software Suite Compatible

Data hosting by TDC/Drakewell or by
client secure data transmission to C2
database.



Drakewell C2, C2 Web Reports

INSTALLATION

Two loop sensors per traffic lane.

UTC electronics housed in above
ground pillar or post or sub-surface
chamber.

Typical installation time – 2 hours

