TDC TRAFFIC SYSTEMS

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

HI-TRAC® 110

HIGH-SPEED TRAFFIC COUNTER & CLASSIFICATION SYSTEM

The HI-TRAC® 110 is a traffic data collection system intended for multi-lane Automatic Vehicle Counter/Classifying (AVC) mounted in a roadside cabinet at a permanent location.

The system provides a low cost means of recording vehicle classification data without interruption to traffic flow.

The system can be used as a statistical data gathering device to record the pattern of highway traffic as well as a means of event monitoring and incident detection.

The unit incorporates interfaces to both piezo electric sensors and inductive loop sensors and therefore the HI-TRAC 110 can be configured as a weigh-in-motion (HSWIM) system.

TDC Systems advanced vehicle straddling algorithms mean volumetric detection rates in excess of 99.5% are achievable.

The HI-TRAC® 110 may be powered from either mains supply or solar panel and associated battery & charge regulator.

GSM and GPRS communications options are available.

FEATURES

- Automatic Vehicle Counter/ Classifying (AVC) operation
- Classification of over 100 unique vehicle types
- Vehicle-by-Vehicle (VBV) data storage
- Event monitoring and incident detection
- Euro 6 classification or user defined classifications
- Unique loop profiling function for accurate classification
- Connections for 16 induction loop sensors and 8 piezo electric sensors
- Laptop(USB) & Modem RS232 Communication Ports
- Telemetry output module for data download via mobile telephone network (GSM/GPRS)
- Viewing of sensor waveforms for fault diagnosis via HI-COMM 100 software package

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TECHNICAL INFORMATION

AVC ACCURACY

Volume	>99.5%
Length	±8%
Headway	±7%
Speed	±1.5%
AVC Speed Range	1 - 200 kph

LANE CONFIGURATIONS

Loop-Loop	AVC
Loop-Piezo-Loop	AVC or WIM

LANE CAPACITY

8 Lanes	Loop-Loop
8 Lanes	Loop-Piezo-Loop

VBV DATA RECORDED

Time & Date
Site Identity Code
Lane Number
Vehicle Speed
Inter-axle Spacing
Vehicle Gap
Validity Code
Direction of Travel
Vehicle Count Number
Vehicle Class
Vehicle Length
Wheelbase
Headway

INPUT/OUTPUT PORTS

USB	Laptop
RS232	Modem
RS232	Printer
RS485	Data Transmission
Six N.O.	Dry Contact

Two switch inputs (e.g. tamper switches)

STORAGE CAPACITY

256 Mb Flash Mass Storage Media Drive
Upgradeable to 4Gb

40,000,000 Vehicle VBV AVC Records – 256Mb

POWER

85-264VAC @ 47-440Hz
12V Battery – Rechargeable via HI-TRAC 110
Solar Panel, Battery & Charge Regulator

ROAD INSTALLED ITEMS

Permanently installed inductive loop sensors and piezo electric sensors.

DIMENSIONS & WEIGHT

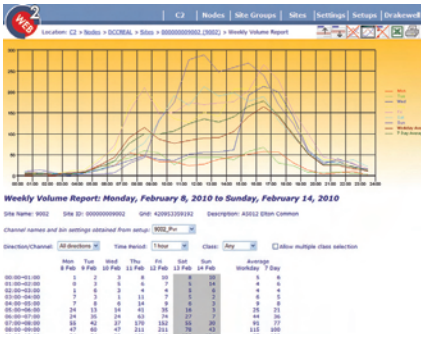
W - 430mm
(485mm with rack mount flanges
D - 280mm
(325mm with handles)
H - 180mm
7 kg

SHIPPING DIMENSIONS & WEIGHT

550 x 430 x 260mm (w d h) 9 kg

SOFTWARE

HI-COMM 100 and EZY Compatible: Data Download, Analysis, Real Time VBV View, Report Generation & Diagnostics



Drakewell C2, C2 Web Reports

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