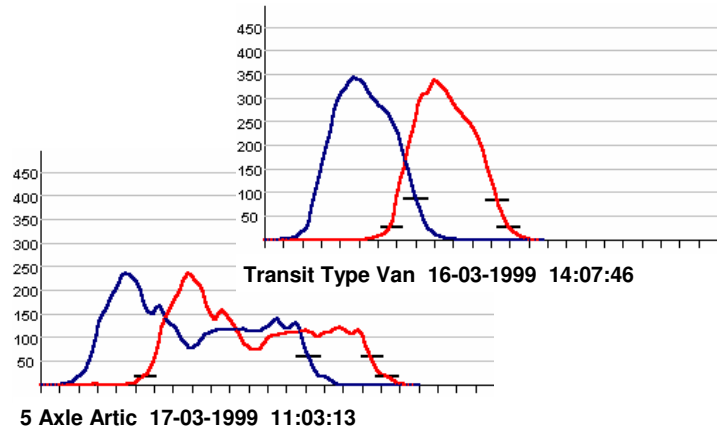


Loop Profiler



- Easy to Use
- Profiling Technology
- Identifies 10 Types of Vehicle
- Up to 8 Mb of Memory
- Telemetry Options
- Low\Solar Powered
- McMurdo Plug Compatible
- Per Vehicle Mode
- C&A Software Compatible



PROFILING TECHNOLOGY

Any vehicle passing over a loop produces a magnetic profile determined by the distribution of metal within the vehicle. By examining this profile, features such as signal height, peaks and troughs can be analysed and compared with the signatures of known vehicles. As a result of this analysis the vehicle type is derived.

The profile information, together with timing data, is further processed by the control circuit to determine the class, length and speed of the vehicle.

The classified vehicle is then recorded explicitly, if the recorder is running in 'Per Vehicle Mode', or binned according to the classification options currently selected.

RECORDER FEATURES

Each lane of traffic being monitored by the Profiler is performed on a separate detector card or 'Lane Card'. The recorder can be purchased with 1 to 4 lane cards. The recorder comes with 128K as standard, however, large memory options are available for the Loop Profiler allowing very detailed studies of highways to be undertaken.

As with all C&A products the recorder is compatible with Collect for the PC and Palm OS allowing easy set-up of surveys and downloading of data. The recorder also supports high speed (115,200 bps), protocol controlled downloads.

TELEMETRY OPTIONS

The Loop Profiler is compatible with all existing telemetry options available, including line powered modems and an integrated GSM phone module. In addition an advanced telemetry protocol has been implemented for faster downloads. The Telemetry Live View in VDA-pro shows a detailed virtual view of the site and all vehicles being recorded by the profiler.

SOLAR SOLUTIONS

The Profiler's low power implementation allows a profiling site to be constantly powered using C&A's Solar panel and solar inverter combination.

If the GSM mobile option is fitted in the recorder then sophisticated classification can be achieved at a remote site without the high cost traditionally associated with such an implementation.



CLASSIFICATION SCHEMES

In addition to the standard length bin classification schemes the following profiling classifications are available.

C&A 10

Class	Vehicle Type
1	Motor Cycle
2	Car or Light Van
3	Car or Light Van + Trailer
4	Heavy Van
5	Light Goods
6	Rigid
7	Rigid + Trailer
8	Articulated HGV
9	Minibus
10	Coach

Euro 6

Class	Vehicle Type
1	Motor Cycle
2	Car or Light Van
3	Car + Trailer
4	Rigid, Heavy Van or Minibus
5	Articulated HGV's
6	Bus & Coach

DOE NI 5

Class	Vehicle Type
1	Car, Car + Trailer, Light Vans
2	Heavy Van & Mini Bus
3	Rigid Lorries
4	Rigid Lorries + Trailer, Articulated HGV's
5	Bus & Coach

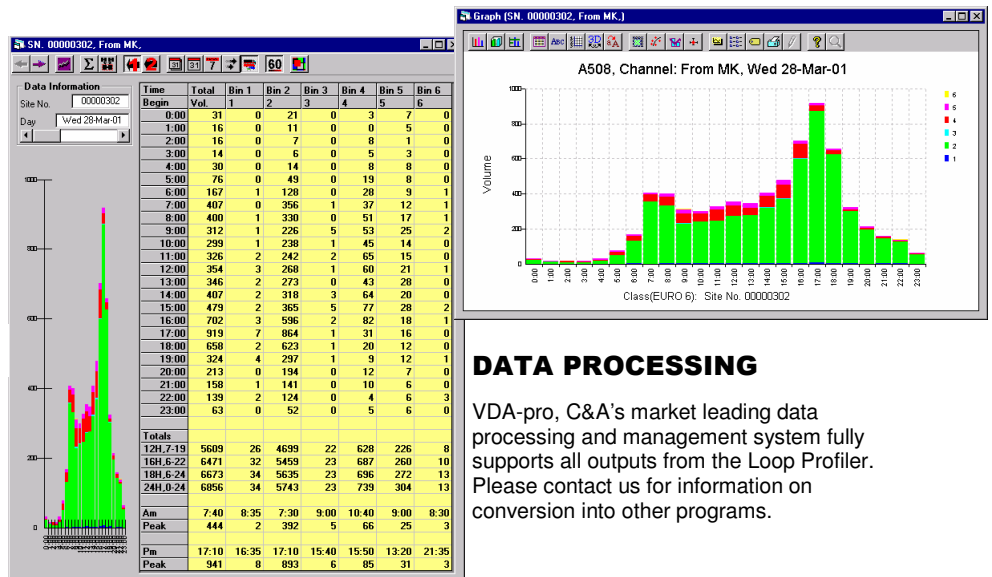
Motor Cycles are Ignored in DOE NI 5 count classification

SURVEY TYPES

The Loop Profiler can also be used to perform counting studies as well as Speed, Length and Class surveys. A speed survey can be done in conjunction with a class or length survey Speed by length and speed by class surveys can also be undertaken.

UPGRADING SITES

The Loop Profiler can be used on existing classification installations and is plug compatible with C&A's LR and SLC range of traffic recorders.



DATA PROCESSING

VDA-pro, C&A's market leading data processing and management system fully supports all outputs from the Loop Profiler. Please contact us for information on conversion into other programs.

TECHNICAL SPECIFICATION

Battery Life (4 Lane Cards)
Accuracy (Euro 6 & DOE NI 5)[#]
Accuracy (Speed)[#]
Accuracy (Length)[#]

6 Weeks
>95%
+/- 3% (95%)
+/- 5% (95%)

Detection Method
Recording Intervals
Memory Use (Bin Survey)
Memory Use (Per Vehicle)

Signature Analysis
1, 5, 15, 30, 60 Minutes
262100 bins per Mb
37400 Vehicles per Mb

[#] Figures based on a site location approved by Counters & Accessories.

The company reserves the right to alter any of the company's products or published technical data relating thereto at any time without notice.



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