

Loop Recorder



- Easy to Use
- Low Cost
- N+1 Site Support
- Telemetry Options
- Low\Solar Powered
- McMurdo Plug Compatible
- C&A Software Compatible
- 2 Year Warranty

LOOP TECHNOLOGY

A vehicle passing over a loop produces an inductance pulse. By detecting this pulse vehicles can be monitored.

Detections can be counted and recorded and the appropriate channel count incremented.

RECORDER FEATURES

The Loop Recorder (LR) can contain up to 4 twin detector cards, enough for counting 8 lanes of vehicles.

The major features of the LR are usability and reliability. The intuitive Collect for Palm Pilot software creates a simple and functional interface for interacting with the recorder. Collect for the PC can also be used to set-up the recorder.

The low power consumption results in a LR with 4 detector cards being able to run for 6 Weeks on one standard rechargeable 6v 12 Ah battery. Onboard rechargeable nickel metal hydride batteries provide backup power for the unit.



The LR includes a counting option for all known counting situations including directional counting using two loops in one carriageway.

The unit supports for 2 and 3 lane N+1 loop arrays for counting situations on carriageways where lane changing is prevalent.

The LR can also be used to count bicycles on C&A's special bicycle monitoring loop by using a bicycle detector card in place of the standard card. This count can be include as part of a composite survey with road traffic.

The diagnostic display allows correct installation and operation of the recorder to be confirmed.

SOLAR SOLUTIONS

The LR's low power implementation allows a counting 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 24 Hour access is available to the site without mains power.

TELEMETRY OPTIONS

The Loop Recorder is compatible with all existing telemetry options available, including line powered modems, an integrated GSM phone module and Packet Radio Systems. A telemetry LR can be fully integrated as part of an automated data collection, retrieval and storage system using VDA-pro.



SURVEY TYPES

The LR offers the following counting configuration options:-

1 CHAN A	2 CHAN AbC,DEFGH	5 CH A,B,CD,EF,G
1 CHAN ABC	2 CHAN ABC,DeFG	6 CH A,B,C,D,E,F
1 CHAN ABCDE	2 CHAN AbcD,EFGH	AB-C,C,DE-F,F,,H
1 CHAN ABCDEFGH	2 CHAN AbcD,EfgH	7 A,B,C,D,E,F,G
1 CH AbC 2 LANE	2 CHAN ABCD,EfgH	A,B,C,D,E,F,G,H
1 CH AbcD 3 LANE	3 CH AB,CD,EFGH	1 CHAN ACEG
2 CHAN A,BCDEFGH	3 CH AbC,DeF,GH	2 CHAN A,CEG
2 CHAN AB,CDEFGH	4 CH AB,CD,EF,GH	2 CHAN AC,EG
2 CHAN ABC,DEFGH	4 CH A,BC,DE,FGH	3 CHAN A,C,EG
2 CHAN ABCD,EFGH	4 CH A,BCD,EFG,H	4 CHAN A,C,E,G
2 CHAN ABCDE,FGH	4 CH A,BcD,Efg,H	2 CHAN B,DFH
2 CHAN ABCDEF,GH	4 CH AbC,DeF,G,H	2 CHAN BD, FH
2 CHAN ABCDEFG,H	4 BK ACH,BEG,D,F	2 CHAN A>B,B>A
2 CHAN AbC,DeF	4 CHAN A,B,C,D	2 CHAN A>B,C>D
2 CHAN AbC,DeFG	5 CH A,B,C,D,E	2 CHAN A>B,E>F

MEMORY

The unit comes with 128K of memory which is enough to perform the length of surveys shown in the table below.

Recording Intervals	2 Channel Count	8 Channel Count
5 Minutes	56 Days	14 Days
15 Minutes	170 Days	42 Days
30 Minutes	341 Days	85 Days
60 Minutes	682 Days	170 Days



TECHNICAL SPECIFICATION

Battery Life (4 Detector Cards)	6 Weeks	Recording Intervals	1, 5, 15, 30, 60 Minutes
Accuracy [#]	+/- 3% (95%)	Memory Use (Bin Survey)	32700 bins
Detection Method	Inductive Loops	Max Channels	8

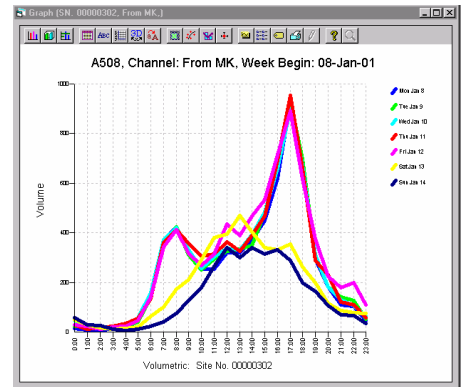
[#] Figures based on a site location approved by Counters & Accessories.

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

DATA PROCESSING

VDA and VDA-pro, C&A's market leading data processing and management systems fully supports all outputs from the LR.

Please contact us for information on conversion into other programs.



SERVICES

Counter and Accessories specialise in the design of high specification roadside cabinets to house your units

C&A are also able to offer full site installation service, including inductive loop cutting, as well as site testing and reporting.

Our instrument repair service is both efficient and available at a respectable price.



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