

Overview

The Data Logger allows count information to be associated with the date and time, and for the data to be downloaded onto a PC for flexible and detailed data analysis. This provides invaluable usage and management information.

The logger is a small microprocessor-based unit integral to the counter. The logger can only be accessed when the counter receiver is opened using the supplied security tools.

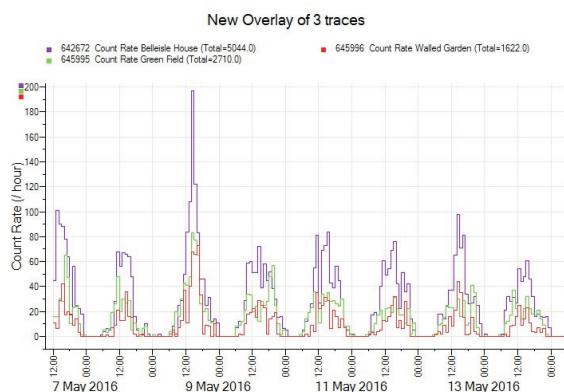
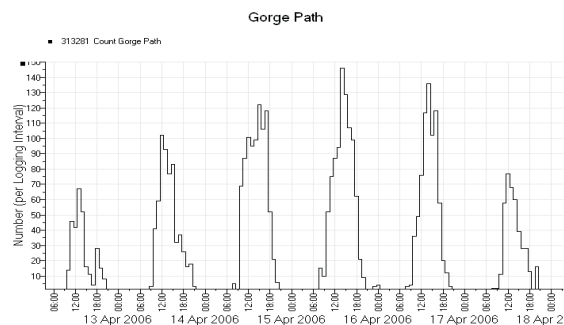
All Chambers indoor and outdoor counters use the same logger and software.

The data obtained from the logger is: counter name, counts, date and time period. For example, 20 counts on 23rd March 2009 between 10:00 and 10:10 am from Entrance A. The time period is flexible.

A network connection can be supplied so that the logger can be downloaded by any PC on that network.

A tablet preloaded with the software can also be supplied for ease of downloading.

Example of graphical output (from software):



Data Logger:

- Records counts per time period so that counts are associated with a date and time.
- Time periods are defined by user during set-up and can range from minutes to hours.
- Counters are 'named' so that data from multiple locations is easily monitored. Names can be changed during set-up or relaunch.
- The logger has a large data storage capacity which allows infrequent download of data.
- Logger can retain information for over 3 years if it is set to 1 hour periods.

Software and Download:

- The software is intuitive and gives raw data, graphical output and basic statistics (total, maximum counts, etc).
- There is a 'zoom' facility for the graphical interface.
- Data is easily exported as .csv or Excel file, etc. Other export formats available.
- Download is easy. The data is downloaded onto a PC or laptop using the USB data download lead.
- Data from multiple locations can be downloaded into one file for comparative purposes.
- Loggers are downloaded 'in situ', under dry conditions.
- Software can be loaded on multiple PCs so only 1 copy per organisation is required. Updates are free.

Example of raw data output (from software):

| | |
|------------------------|-----------------|
| Serial No: | 319517 |
| Device: | Chambers Logger |
| Description: | Visitor Centre |
| Date & Time | Count |
| 18/02/2008 12:00 | 40 |
| 18/02/2008 12:10 | 45 |
| 18/02/2008 12:20 | 32 |
| 18/02/2008 12:30 | 50 |
| 18/02/2008 12:40 | 55 |
| 18/02/2008 12:50 | 62 |
| 18/02/2008 13:00 | 41 |
| 18/02/2008 13:10 | 30 |

Specifications

Data Logger Unit

| | |
|---------------------------------|---|
| Time period: | User defined, from minutes to hours |
| Information Stored: | Number of counts per time period Time and date of time period Text to identify counter (counter "name") |
| Maximum counts per time period: | 16,384 |
| Total number of time periods: | 32,000 |
| Maximum logging time: | 1358 days for time periods set to 1 hour |
| Start time and date: | User defined. Can be pre-set to start at specified date & time. |
| Waterproofing: | BS IP67 |
| Batteries: | Runs on unit battery, except for bike counters. |
| Housing: | Internal to unit |
| Interface leads: | USB download lead (supplied with software) |
| Indicators: | 'Logging in progress' LED |
| Compatible counters: | All Chambers counters |
| Battery check | Battery checked when logger connected to PC |

Software

| | |
|---------------------------|--|
| Minimum PC requirements : | Windows 2000, XP, Vista, or 7. Processor: 1.6GHz. 1024 MBb RAM, 120 Mb hard disc space. Internet Explorer version 7 or above |
| Data view options: | Raw data table, Graph, Basic Statistics |
| Output format: | csv, xls, xml, txt |

Options

| | |
|------------------------|---|
| Network connection: | Allows the data logger to be permanently connected to a network so that any PC on that network can download the data. This can be done either by wireless, LAN connection or hard-wired link to PC. |
| Data analysis service: | Email us your data and we will provide further statistics and customised graphs from your raw data (to your requirements). |
| Excel spreadsheet: | We can provide an Excel spreadsheet that automatically summarises your data by time (hours, daily, monthly, etc) and date (to your requirements). |
| Tablet: | We can supply a tablet preloaded with the software. |