FLUCON BV

COUNTING SOLUTIONS

PFM

Manual PFM Total

a PFM Customer Counting Product

Version 3.x
september 2004

Content

General

PFM-Total is an application developed by Flucon B.V. to upload, validate and present the data from one or more PFM data-loggers.

To upload data from a datalogger, 3 different modes of communication are possible;
- a direct RS 232 connection (com to com)
- a modem or GSM modem connection
- an Ethernet connection (TCPIP)

PFM-Total can be set up to upload automatically the data during the night.

PFM-Total can be registered for single or multi user applications. In the single user mode the application will use a MS Access database to store and retrieve data, for a multi user application a SQL server or Oracle database is recommended. The application supports any of these databases.

PFM-Total will store the data in the original format (DF format) and in the database. Under General > System > System configuration, the language can be selected (NL, D, Fr, UK or I) and the first day of the week can be set.

Flucon BV Alphen aan de Rijn
November 2003

Define location data

Go to the menu General > Configuration > Define Locations

To retrieve a previous configured location, press F5 or click on the binoculars on the toolbar

On this first tab, the general information is entered regarding a specific site. The connection type is indicated with the relevant numbers. The location code is the actual number as used by the datalogger on site.

The file type (default *.PTM), the datapath and other relevant actions during communication are set in this field.

Under the second tab "Sensors" , each sensor and direction is indicated. To add or change, click on the relevant button.

Under the third tab "Analysis Configuration, the application can check the received files and send a result to the indicated addresses. The workstation should be set-up for an e-mail account .

The number of sensors and the minimum counts will allow you to find automatically any failure in one of the sensors. A log is produced during the download of the files and mailed to the selected addresses.

Define zones

For each location zones must be defined to allow review of the data. The Zone Total, which is the total for the location, must be defined. Additional zones can be configured using the relevant buttons.

Select in the left top corner the relevant location. The Zone Total can not be deleted. For each sensor select the IN direction. If additional Zones are configured, always select the IN direction only.

Define overviews.

Select General > Configuration > Define Reviews For each aggregation level reports can be defined for each location. Each user with similar log in authority will have the same reports.

The aggregation levels are; day , week month quarter and year .

By pressing the correct buttons, views can be added or changed. Select from the screen the location and the configured zone. The start and stop times relate to the X-axis and not filled in the overall setting of the system will be applicable. (see General > System > System configuration)

Overviews

To review the data, press the graph button and select the required level Each defined view will appear in the list and can be selected. By selecting the correct date the application will retrieve the data from the database and present it on the screen in the predefined format.
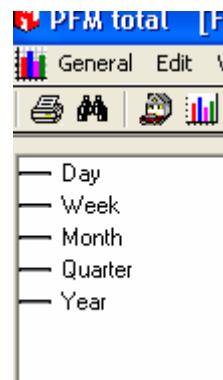
An example of a day graph for a specific selection. Within the graph the IN, OUT or INTENSITY can be selected and also the type of graph. The button "copy to clipboard" will allow export of the graph to other programs.

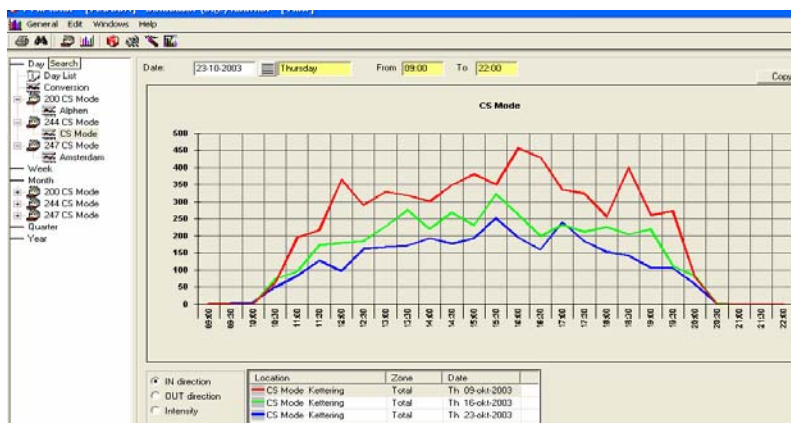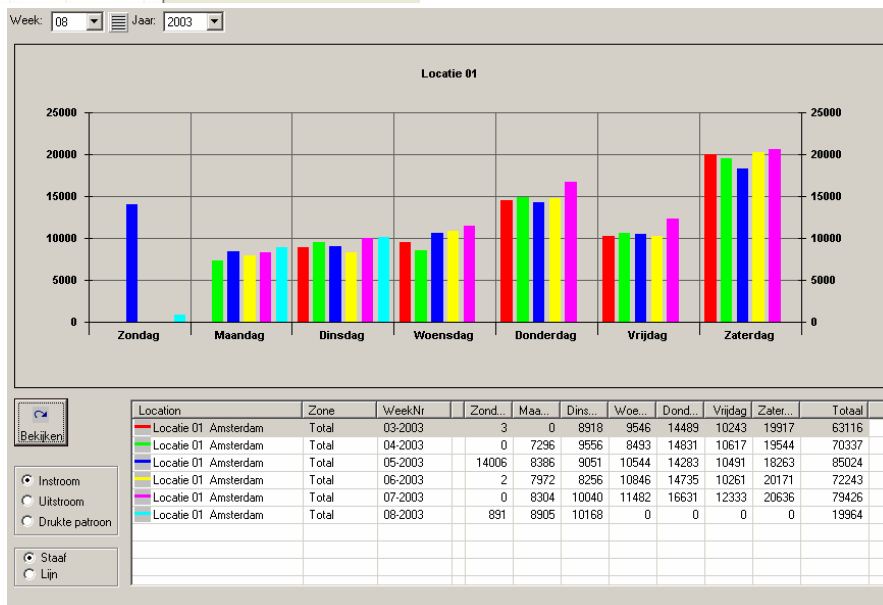A typical week view as defined under Week.

This selection shows the day totals for the last 6 weeks for a specific object

Location	Zone	WeekNr	Zond...	Maa...	Dins...	Woe...	Dond...	Vrijdag	Zater...	Totaal
Locatie 01 Amsterdam	Total	03-2003	3	0	8918	9546	14489	10243	19917	63116
Locatie 01 Amsterdam	Total	04-2003	0	7296	9556	8493	14831	10617	19544	70337
Locatie 01 Amsterdam	Total	05-2003	14006	8386	9051	10544	14283	10491	18263	85024
Locatie 01 Amsterdam	Total	06-2003	2	7972	8256	10846	14735	10261	20171	72243
Locatie 01 Amsterdam	Total	07-2003	0	8304	10040	11482	16631	12333	20636	79426
Locatie 01 Amsterdam	Total	08-2003	891	8905	10168	0	0	0	0	19964

WeekNo	Mainstreet	Station 2	park 1	Square	Side 1	Total
35	1.981	9.283	8.597	756	899	21.516
36	10.668	198	10.113	829	899	22.707
37	13.579	54	8.760	704	934	24.031
38	11.451	69	7.259	647	925	20.351
39	10.894	31	7.143	666	988	19.722
40	14.020	9.200	9.192	680	807	33.899
41	14.100	9.965	9.249	803	968	35.085
42	13.403	3.915	9.920	754	923	28.915
43	12.219	2.594	6.240	746	978	22.777
44	3.727	1.179	7.257	741	901	13.805
45	12.869	3.087	8.012	933	998	25.899
46	8.909	3.368	10.317	971	279	23.844
47	19.922	3.634	12.796	1.026	0	37.378
48	23.274	3.489	15.296	1.049	638	43.746
49	4.055	1.062	2.482	154	186	7.939
50	0	0	0	0	0	0
51	0	0	0	0	0	0
52	0	0	0	0	0	0
53	0	0	0	0	0	0
Tot.	432.412	264.949	331.427	40.877	44.550	1.114.215
Av.	9.009	5.407	7.205	834	928	22.739
Av. %	39,6	23,8	31,7	3,7	4,1	100,0

Location: CS Mode Kettering

Zone: Total

○ IN direction   ● Absolute
○ OUT direction ○ Percentage

Counts

A typical year overview per sensor. The graph can be displayed for IN, OUT, in absolute or percentage values

Technical specifications

Application:	Visual Basic 6
Operating system:	Windows 95, 98, ME, W2000 en XP
	Preference for Windows 2000 or XP as these platforms will give better access to the database.
Database:	Connection to the database by means of ActiveX Data Objects (ADO)
	The following databases will be supported:
	Microsoft Access (Standard for single User)
	SQL server 7 or higher
	Oracle 8.1.5 or higher

Info
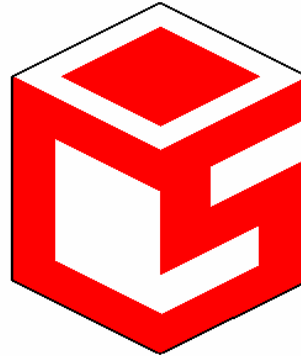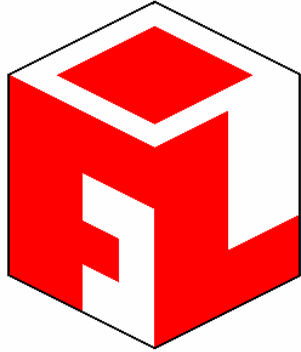
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