

# MicroMatch

Vehicle registration survey  
analysis system for  
Microsoft Windows

**THE** clear, comprehensive way to tackle registration number matching and analysis – now in a version that takes advantage of the user-friendly Microsoft Windows environment.

Easy for beginners to use, flexible in its editing and presentation capabilities, and able to import and process data in a variety of formats.

Directly compatible with data from hand-held data-logging systems.

# MicroMatch

## MAIN FEATURES

- Simple to use but with powerful features for advanced analysis
- Copes with all types of moving vehicle and parking surveys and combinations of the two
- On-screen data entry with error checking
- Optional data loggers for on-site recording
- Journey times to nearest second if required
- Built-in Furness expansion with optional total flow entry
- Unmatched vehicles reprocessed by matching similar characters
- Identifies residents' vehicles in parking beat surveys
- Positive and negative limits on valid travel times

Gathering registration number data to survey traffic movements or assess car park use is only the first step to effective analysis. The real work starts back at the office, when the registrations are compared and conclusions are drawn. Generic database or spreadsheet software is not well-suited to the task, which can prove complex and time-consuming.



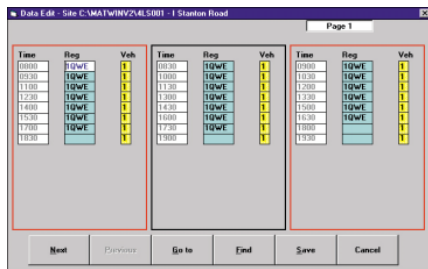
MicroMatch is tailor-made for the job, offering customised data entry, editing and matching abilities and a range of tabulated output options.

The familiar Windows environment of MicroMatch makes it accessible to users with the minimum of experience, yet it is highly configurable to allow for customised analysis and presentation.

Character Equivalencies	
JAR	BB DDD S5 TY
ZZ	

Survey set-up

# MicroMatch



Registration plate entry

## Set up your own parameters

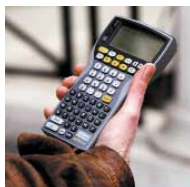
With MicroMatch you can set up your own range of parameters to describe your survey. They can include the survey total, start and end times, the length of registration number, the number of survey sites (with their names), the number of vehicle types, and (where appropriate) the parking beat patrol times.

## Enter your own data or import it

Registration information may be entered from within MicroMatch using a simple error-checked data entry screen, or alternatively it may be imported from a disk file.

Data is checked for input errors. Time can be interpolated in cases where it is not recorded for every vehicle. The survey data can be recalled and edited. The software imposes no limit on the number of registrations for an individual site.

## Data capture with a data logger



An inexpensive hand-held data logger can be used for recording the details of registration numbers and vehicle types that are to be analysed with MicroMatch. Back at the office, the information can be transferred to the PC running MicroMatch in a matter of minutes, eliminating the separate data entry stage. This is particularly useful for car park and park beat surveys, where there is generally a low rate of vehicle observations.

## Sorting and matching facilities

- Processing of all sites together, or on any selection.
- Travel time through the survey area can be constrained by an upper and lower limit, and the lower can be negative.
- Selected vehicle types can be processed separately or ignored completely.
- The period of analysis can be shorter than that of the survey as a whole.
- Matching can be constrained so that inbound vehicles will only match outbound vehicles (unless the site is specified as two-way).
- For parking beat surveys, vehicles observed during the first patrol can be assumed to belong to residents, and their parking patterns can be tabulated separately.

## Extensive error-checking and reporting

When vehicles fail to match your specified criteria, explanatory messages are attached to their registrations. Unmatched vehicles can be reprocessed to allow for similar characters which may have been confused, or the matrix can be expanded by a Furness process to allow for recording errors.

## Data export facility

The trip and duration matrices produced by the matching process can be written to a disk file for transferring to a spreadsheet or word-processing program.

## TECHNICAL DETAILS

### ● SURVEY TYPES:

- Road network cordon
- Vehicle routing
- Car park
- Parking beat
- Journey time

### ● SURVEY SITES

up to 150

### ● REGISTRATIONS RECORDED

limited only by disk space

### ● VEHICLE TYPES

up to 9

### ● REGISTRATION LENGTH

up to 8 characters

### ● OUTPUTS

- Trip matrices
- Travel time matrices
- Parking duration matrices
- Histograms

## SYSTEM REQUIREMENTS

MicroMatch runs under Windows (3.1 or 95) on 486/25 PCs and above. It requires 8Mb of memory. A version for MS-DOS is also available.

Surveys may be undertaken on Psion hand-held computers, with data being transferred directly into MicroMatch.

```

MICROMATCH - REGISTRATION MATCHING SUITE
Queens Road Car Park
    
```

Buchanan Computing  
London Borough of Dunwich

```

Cordon trip matrix
Analysis period from 0800 to 1800
Duration range: -5 to 90
Vehicle types 1 2 3
Matching ignores vehicle types
Matching ignores survey site directions
No furness expansion of trip matrix
    
```

	1	2	3	4	5	6	7	8	9	10	11	12	Total
1	-	23	254	165	21	6	54	83	5	29	52	72	764
2	48	-	107	28	2	13	43	54	2	13	6	63	379
3	4	2	-	3	-	-	6	8	-	5	13	6	47
4	21	17	82	-	12	9	29	57	11	34	20	21	322
5	1	42	77	1	-	6	18	32	4	21	15	33	261
6	33	54	118	232	18	-	23	28	9	51	22	14	602
7	14	3	59	30	13	12	-	17	4	28	51	8	239
8	-	2	46	31	21	3	14	-	4	17	14	12	164
9	-	-	10	1	2	-	4	2	-	12	3	-	34
10	27	5	58	62	52	21	45	23	12	-	36	43	384
11	28	31	68	29	32	31	58	12	7	13	-	9	318
12	13	14	42	7	20	38	41	11	10	17	28	-	241
Total	189	193	921	589	193	139	334	327	68	240	260	302	3755

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Developers and suppliers of computer systems for



Traffic signing



Road safety



Traffic monitoring



Parking & orders



Desktop mapping



Bus planning and operation



Bespoke development