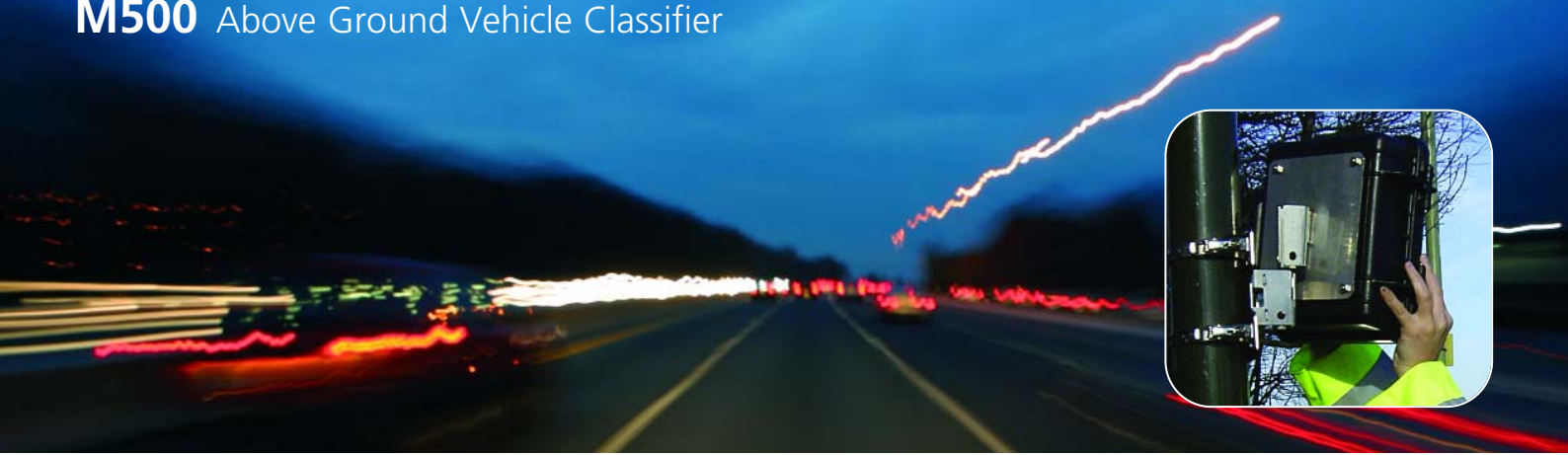




# Count and Classify

## M500 Above Ground Vehicle Classifier



The M500 above ground vehicle classifier has unique features to minimise roadside installation time and increase installation safety for traffic engineers. Its Bluetooth enabled PDA interface and auto-adjust positioning of the sensing head permits easy operator set up without the need to manually align the equipment or connect any cable.

### Ease of Installation

The new above ground sensor has been designed to ease the problems usually encountered in the collection of temporary traffic data. In most areas of the world, obtaining safe access to the road to lay pneumatic tubes is becoming difficult and when given may be quite hazardous for personnel involved.

The M500 provides a safe and reliable solution and minimises the use of ladders for mounting by providing an automated adjustment of sensor positioning and a Bluetooth connection for a cable-less site set-up. The M500 provides accurate count, speed and classification data and provides a memory capacity of up to 250,000 vehicles.

### Power Supply

The M500 has its own internal power supply which is derived from a 6V battery which should provide around 30 days of data recording.

### Site Configuration

Once the physical mounting of the recorder is complete, the installation details are entered into the M500 to optimise performance. The distance from the roadside and required direction of detection are all entered using the "installation settings" window.

### Vehicle Classification

The M500 has a very accurate algorithm to maximise the ability to recognise and identify cars from vehicles with lengths greater than 6.0m.



### Key features

- Bluetooth technology
- Automatic site adjustment
- Memory for up to 250,000 vehicles
- Innovative universal mounting
- Fully self contained



**General Specifications**

**Speed Range**  
6.2 to 160mph

**Accuracy**  
Speed 99%  
Counting 98%  
Classification 90%

**Operating Temperature**  
-25°C to +65°C

**Power Supply**  
6V battery

**Memory**  
250,000 vehicles stored

**Radar Frequency**  
K Band: nominal frequency 24.150 GHz

**Transmit Power**  
5mW

**Environmental Protection**  
IP67 standard

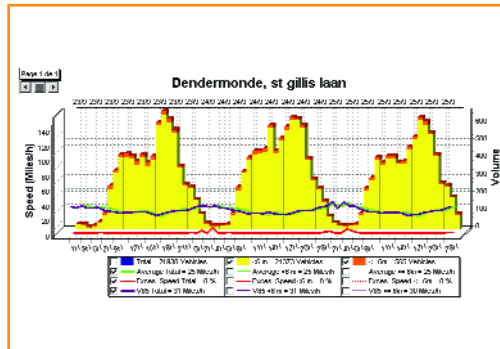
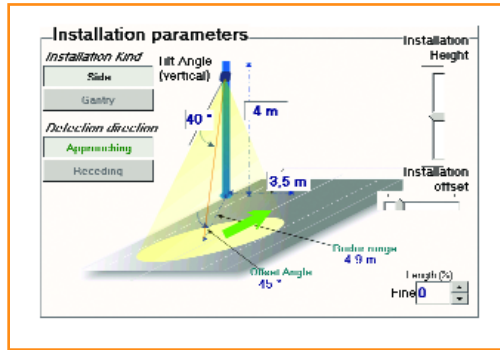
**Physical Installation**  
Specially designed multi-purpose bracket included

**Communication Set-up**  
RS232 or Bluetooth

**Output Indication**  
LED indicator/auto switch off

**Data Analysis**  
Supplied unit package for full data analysis.  
Requires Windows 98 or higher and 20MB disk space.

**Installation Parameters**



Specially designed multi-purpose bracket for simple installation

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Brochure ref. GR04E 0806

