



## Datarec 7 Signature

*High performance traffic classifier.*

### Features

- Customized classification according to national standards. This also includes the possibility of inductive pattern recognition.
- User programmable
- Web interface
- Low power consumption
- Ethernet on board

### Datarec 7 Signature

Aanderaa Data Instruments is proud to present the Datarec 7 Signature (DR 7), the most advanced vehicle classifier in the Datarec series.

Traffic registration is based on advanced inductive-loop technology that also utilizes inductive pattern recognition of a vehicle's "electronic signature" to identify which type of vehicle is passing, giving you a better and more certain classification. This is why we have given this instrument the additional name of "Signature".

The product can be delivered as a stand-alone traffic counter or as an advanced part of a complete traffic monitoring system.

### PC

The unit is easy to set up from a computer by means of a browser such as Internet Explorer® or the AADI user program called Traffic.

### Windows CE and LAN

The DR 7 contains advanced hardware combined with the Windows CE® operating system, a perfect combination that is ready for the future. In its standard configuration, the DR 7 is supplied complete with LAN interface, so that network functionality is always available.

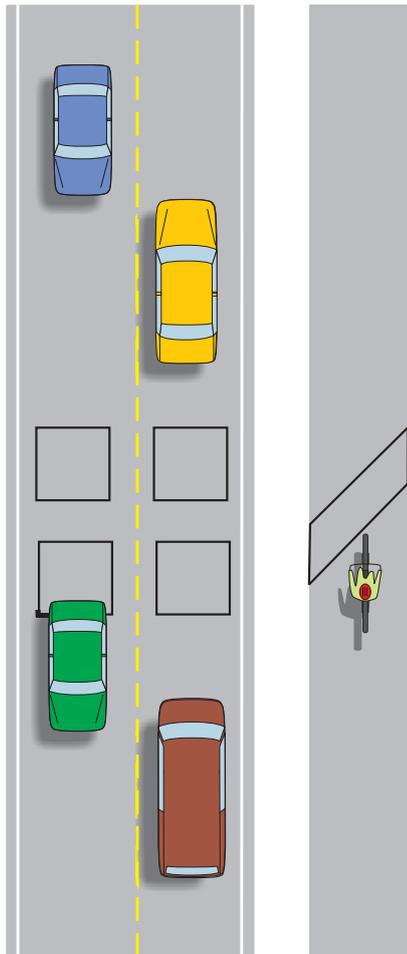
### Intelligent Transportation Systems

Datarec 7 Signature is the perfect traffic analyzer as a single stand alone counter or as an important part of an ITS network. The unit has been delivered in several projects delivering data every minute or in 5 minutes interval. Traffic classification can be adjusted according to national standards.

### Low power consumption

Advanced power management also gives the DR 7 a low power consumption, making it suitable to be powered by solar cells.

# Specifications



Version 4183	8 loops, up to 4 lanes
Version 4650	12 loops, up to 6 lanes
Weight	2.5 kg
Dimensions (HxWxD)	290 x 220 x 65mm
Hardware Interface	Ethernet 10Mbit, RS-232
Software Interface	Web server, ftp server, SOAP
Sensors	8 or 12 inductive loops
Temperatures	Full operation -40°C to +85°C
Power	9-15V
Current Consumption	12V/35mA average
Environment	IP66
Display	2 lines, each 8 characters
Data Styles	Interval and/or vehicle by vehicle
Data Output	Count, occupancy, gap, length, headway and/or vehicle type classification
Options	Datarec 7 can be delivered with a wide range of options: <ul style="list-style-type: none"><li>• Bicycle counting</li><li>• Controlling variable message signs</li><li>• "Ghost detection"</li></ul>

## Data types and retrieval

Datarec 7 calculates data such as speed, length, gap and class of every vehicle that passes. Data can be stored for individual vehicles or as the basis for various types of statistical data. This ability makes the DR 7 ideal for a wide range of applications ranging from gathering data for statistical purposes to real-time traffic control or even both at the same time. Data can be gathered from a PC or server via a network, 3G/4G or GSM.

## Adaption

Due to the flexibility in the Datarec 7 software structure it is easy to integrate DR 7 to other systems using the web server, ftp server or SOAP. When adapting to national standards, Datarec 7 is able to detect vehicles on a wide scale of different loop geometries.

## Guaranteed accuracy and reliability

When loops are installed according to procedures and specifications accommodating Datarec 7, these sensor types are by far the most reliable sensors for traffic monitoring. A measurement system of loops connected to our DR 7 measuring station provides an outstanding level of guaranteed accuracy, very high flexibility and the benefits of a user programmable system. Datarec 7 is easily configured by your system integrator or by the user, and is ideal for almost any application involving precise classification of vehicles. With Datarec 7 you can choose to classify the vehicle by its electrical length, and/or by inductive pattern recognition.

All Datarec products benefit from more than 30 years of experience with roadside products in a rough environment.



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