

WD-300 | Accurate periodic measurements

A standalone wireless vehicle sensor for accurate periodic measurements



Wireless quality

The WD-300 is a standalone vehicle sensor with integrated battery and modem that requires no roadside installation. The sensor is installed in the center of the lane to be measured and is managed remotely. With quick installation, remote management and high accuracy data, the WD-300 is an ideal product for replacing pneumatic tubes, ambulating radar or manual counting, when accuracy is key.



Measure anywhere

Since no roadside equipment is needed, the WD-300 can be installed basically anywhere in less than 15 minutes to collect traffic data.



Accurate

All our vehicle sensors deliver the same high accuracy data verified in independent tests by research organizations and traffic authorities.



Robust

Built to handle Nordic winters and Australian summers and with no roadside installation, the WD-300 requires no maintenance once installed.



Open

Built on open protocols, the WD-300 can be used with most existing software as well as our cloud based analytics tool TrafficWeb.

What data do I get?

Vehicle-by-vehicle data that can be used for statistics, detailed studies or ITS applications.



Timestamp

Synchronized time with millisecond resolution.



Velocity

-200 to 200km/h with 0.1km/h resolution.



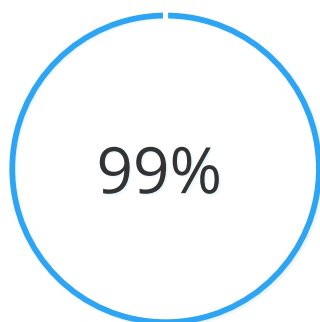
Classification

Up to 5 classes, choose your scheme.



Length

Bumper to bumper with 0.1m resolution.



Completeness

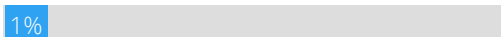
Classification error (five class scheme)



Average velocity error



Average length error



* Test by the Nordic traffic authorities research cooperation NordFOU.

Accuracy

We continuously participate in third party tests organized by road administrations and research organization throughout the world to assert the performance of our vehicle sensors. All accuracy claims are based on independent and published reports.

"The data is not ok, it's fantastic"

- John Byrnes, CEO Road Information Technologies

Battery life for different scenarios

10 years, 80 days

The battery life in the WD-300 is limited to 10 years during which you can schedule 80 days of measurements.

10

years, measuring statistically verified AADT

10

years, measuring one week each year

6

years, measuring summer and winter week each year

Physical specifications

Height	120 mm
Diameter	150 mm
Operating temperature	-35°C to 70°C
Ingress protection	IP68

Network specifications

Bands	GSM/GPRS/EDGE: 850/900/1800/1900 MHz, WCDMA: 850/1900/2100 MHz
SIM card	Mini-SIM (ISO/IEC 7810:2003, ID-000)

Installation specifications

Drill diameter	>157 mm
Drill depth	180 mm
Installation time	~15 min