

## FLEX | Quick and efficient data collection

A standalone wireless vehicle sensor for periodic and continuous measurements



### Wireless flexibility

The FLEX sensor from Sensebit 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 accurate data, the FLEX sensor is an ideal product for measuring AADT, effect studies, seasonal variations in traffic and much more.



#### Measure anywhere

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



#### Flexible

The FLEX sensor can be configured for almost any scenario, whether you wish to measure one day per week or 24/7 all year around.



#### Robust

Built to handle Nordic winters and Australian summers and with no roadside installation, the FLEX sensor requires no maintenance once installed.



#### Open

Built on open protocols, the FLEX sensor 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.



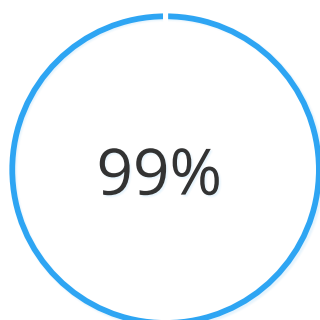
#### Classification

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, 365 days

The battery life in the FLEX sensor is limited to 10 years during which you can schedule 365 days of measurements.

10

years, measuring statistically verified AADT

6

years, measuring one winter and one summer month each year

1

year, measuring 24/7

### 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