

ED-100 | Realtime data without the hassle

A power-over-ethernet vehicle sensor for realtime data



No more loops

The ED-100 from Sensebit is a power-over-ethernet vehicle sensor that can be installed quickly and uploads accurate data in real-time. The sensor is installed in the center of the lane to be measured and is managed remotely. With a quick and robust installation, remote management and high accuracy data, the ED-100 is an ideal product for replacing inductive loops and other traditional solutions for continuous data collection and ITS applications.



Realtime data

Designed to deliver data in realtime, the ED-100 is an ideal loop replacement for continuous measurements or ITS-applications.



Accurate

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



Robust

Built to withstand Nordic winters, Australian summers and high traffic loads, the ED-100 provides a much more robust alternative to loops.



Open

Built on open protocols, the ED-100 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.



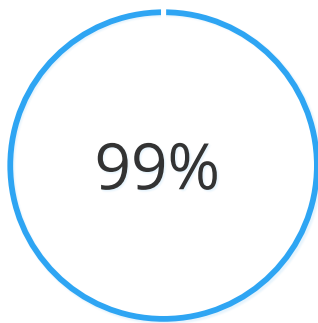
Classification

Up to 5 classes, choose your scheme.



Length

Bumper to bumper with 0.1m resolution.

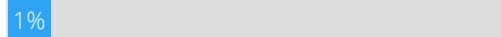


Completeness

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

In the long run

Avoid unexpected costs and downtime due to loops that break or proprietary communication.



Life cycle cost

The ED-100 is substantially more robust than inductive loops, which means less maintenance and lower life cycle costs.



Standardized

The ED-100 uses standardized communication protocols which makes it easy to integrate and future proof.

Physical specifications

Height	90 mm
Diameter	150 mm
Operating temperature	-35°C to 70°C
Ingress protection	IP68

Network specifications

Connection	PoE IEEE 802.3af
IP-assignment	DHCP

Installation specifications

Drill diameter	>157 mm
Drill depth	150 mm
Installation time	~30 min
Max cable length	100 m