



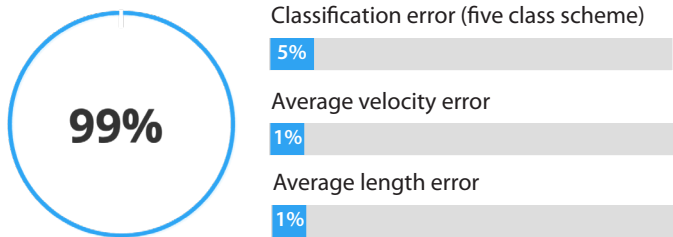
**AI SWISSFLEX AI**



A standalone wireless vehicle sensor for accurate continuous measurement. The swissFLEX AI provides accurate, independently verified data per vehicle. Get reliable counts, speeds and classifications.

**WIRELESS WITHOUT DRAWBACKS**

The swissFLEX AI sensor is a standalone vehicle sensor with integrated battery and modem that requires no roadside equipment. The sensor is installed in the center of the lane to be measured and connects directly to the cloud. The new version gives up to 10 years of continuous measurements and daily uploads on one battery pack. With quick installation, remote management and accurate data, the swissFLEX AI sensor is an ideal solution for urban streets, highways and even rural gravel roads.



Completeness

\* 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.

**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. Each vehicle is individually time-stamped, with 99% accuracy.



**Velocity**

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



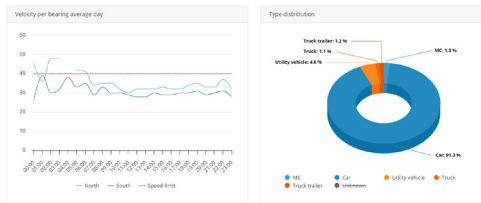
**Classification**

Up to 5 classes, choose your scheme. The most powerful AI offers classification accuracy of over 95%.



**Length**

Bumper to bumper with 0.1m resolution.



Dashboard



**A PERMANENT SOLUTION**

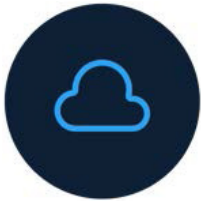
With up to 10 years of continuous measurements, the swissFLEX AI can replace both loops, radars and manual counts.

**A FRACTION OF THE COST**

Without the need for roadside equipment or power, the total cost of establishing a permanent measurement location with the swissFLEX AI is a fraction of that with loops or radars.

**POWERED BY AI**

This astonishing accuracy is made possible by the advanced deep learning architecture designed by leading academics and researchers.



### Measure anywhere

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



### Battery-life

With new cutting-edge energy management, the swissFLEX AI can handle up to 10 years of continuous measurements and uploads on one battery pack.



### Robust

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



### Open

Built on open protocols, the swissFLEX AI can be used with most existing software, including full support in Traffic-web (dashboard) for a complete solution.



### PHYSICAL SPECIFICATIONS

**HEIGHT:** 115 mm  
**DIAMETER:** 155 mm  
**OPERATING TEMPERATURE:** -35°C to 70°C  
**INGRESS PROTECTION:** IP 68

### NETWORK SPECIFICATIONS

**BANDS:** GSM : 850, 900, 1800, 1900 MHz  
UMTS : 800, 850, 900, 1700, 2100, 1800, 1900, 2100 MHz  
LTE : 700, 800, 850, 900, 1700/2100, 1800, 1900, 2100, 2600 MHz  
**SIM:** Mini-SIM (ISO/IEC 7810:2003, ID-000)

### INSTALLATION SPECIFICATIONS

**DRILL DIAMETER:** >170 mm  
**DRILL DEPTH:** 180 mm  
**INSTALLATION TIME:** ~15 min

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

John Byrnes, PDG de Road Information Technologies

SMART MOBILITY SOLUTIONS  
PRODUCT CATALOGUE



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