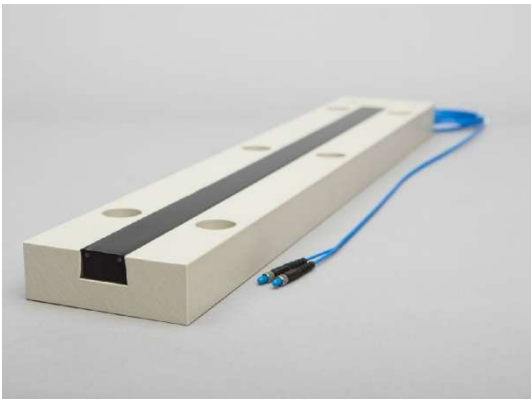




Sensor Line SL EZ Leaflet

Fibre Optic Axle Detection for Free Flow Tolling

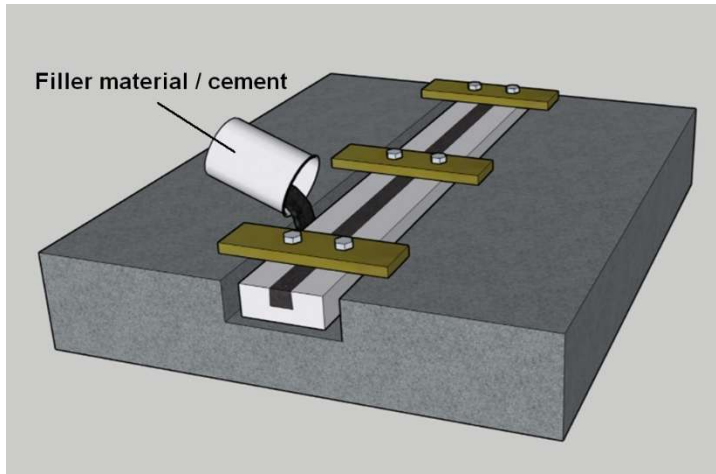


- Fiber-optic sensor technology
- Easy and fast replacement
- Excellent service life
- Highest accuracy
- No speed limit
- Noise free signal

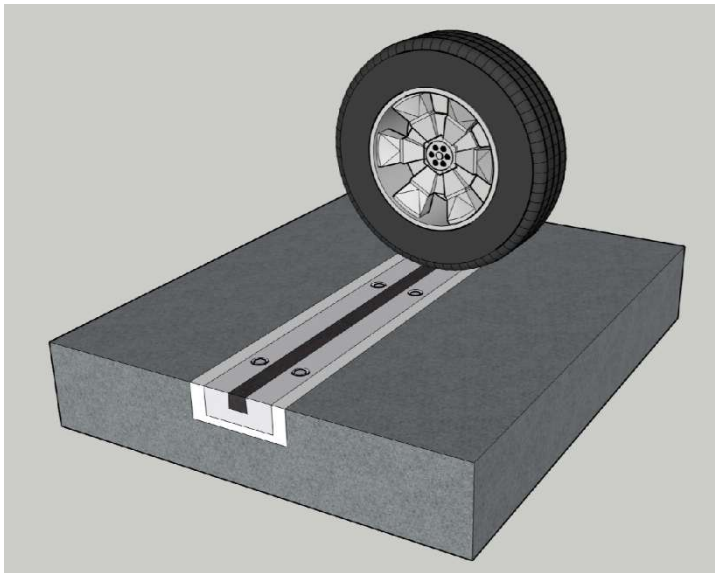
Easy installation, quick replacement

The SL EZ sensor detects vehicles in road traffic for applications like axle counting, speed measurement, headway measurement and vehicle classification. The SL EZ sensor is designed for permanent installation on a concrete foundation in roads. It is a polyurethane-based reinforced fiber optic traffic sensor which is preinstalled in a frame of high-density polymer. The frame is fixed to a concrete base with bolts or threaded rods. The sensor strip can be replaced quickly and easily without additional roadworks, which is particularly necessary for free flow tolling.

The pressure of a wheel deforms the SL EZ sensor. This deformation decreases the optical transmittance inside the sensor. This transmittance change is detected by our opto-electronic interfaces like the dynamic or static optical transmittance analyzer and is transformed into signals for traffic data processing.



Easy and quick installation with SL EZ Bolts



Long durability and high accuracy

Accompanying Products

SL EZR XXX-Y-ZZ (PE)

Replacement Sensor Strip

SL MA-X10 (X: 1, 2 or 3):

Analog Electronic Interface with X channels

SL MD-220:

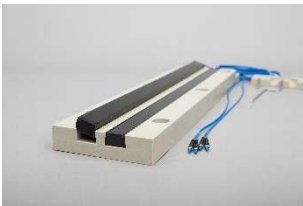
Digital Electronic Interface with 2 channels

SL EZ Bolt:

Concrete bolt, lock washers and rubber cap

Ordering Information

SL nEZ XXX-Y-ZZ (PE)



n: Number of sensors in a frame (1...4)

XXX: Frame length (cm)

Y: Connector type (1: Plastic FSMA, 2: Metal FSMA reusable)

ZZ: Cable length (m)

PE: Blue sensor cable with reinforced PE sheath

SL EZR XXX-Y-ZZ (PE)



XXX: Frame length (cm)

Y: Connector type (1: Plastic FSMA, 2: Metal FSMA reusable)

ZZ: Cable length (m)

PE: Blue sensor cable with reinforced PE sheath

Please note: Sensors and frames should not be bent or twisted! They should always be stored, transported, and installed as straight as possible, ideally in a flat, horizontal position.

Links



Datasheet EZ Frame / EZR Strip

https://sensorline.de/road-traffic/road-traffic-products/fiber-optics-sensors/ez-sensor/datasheet_sl_ez_sensor.pdf

Installation Guide SL EZ Frame

https://sensorline.de/road-traffic/road-traffic-products/fiber-optics-sensors/ez-sensor/installationguide_sl_ez_frame.pdf



Installation Guide SL EZR Strip

https://sensorline.de/road-traffic/road-traffic-products/fiber-optics-sensors/ez-sensor/installationguide_sl_ezr_strip.pdf