

SFLUX-GPS

Lux meter recorder with GPS

sifisa

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Description

The new lux meter for measuring light on public roads, SFLUX-GPS, is a revolution over its predecessors: besides integrate a GPS receiver, which allows geo-referenced measures, the sampling rate has been improved, allowing you to take measures even on high-speed roads without traffic interruption.

The equipment is accompanied by a control software that allows sampling and subsequent analysis. This software is described in a separate document.



Benefits

- The sensor takes 25 measurements per second.
- Due to its small size and powerful magnets attachment, doesn't move, even at high speed.

- Built-in high accurate GPS receiver, with WAAS/EGNOS correction.
- Silicon photodiode with spectral response similar to the human eye.

Characteristics

The SFLUX-GPS sensor is designed for use on a vehicle, so the measurements obtained in its usual working position can't be extrapolated to the ground.

Its main application is take measurements easily in order to:

- Be able to assess the maintenance of a facility over time.
- Check the level change after the replacement or substitution of luminaires.
- Check if the theoretical results, calculated at the use height of system, match those obtained in practice.

The measurements are collected by the software supplied with the sensor.

Regardless of the velocity during data collection, the software will allow to obtain data at special or temporal fixed intervals.

The sensor has several measurement scales which are selected automatically, depending on the level of illuminance.

In each sample, the sensor sends to the computer the GPS position, the speed, the number of satellites used, the illuminance and the measurement scale.

The PC connection is via a USB 2.0 port, taking from it the necessary power.

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Sensor characteristics

Connection:

- USB 2.0 (cable 2.5 m)
- Power: from USB itself.

Temperature range:

- From -40°C to +50°C.

Box:

- ABS.

Fixing:

- With magnets.

Protection:

- IP-54.

Size:

- 112 x 62 x 40 mm

Measurement angle:

- Diffuser for cosine correction.

Measurement range:

- 0 - 10000 lux.
- For other ranges contact us.

Sensor:

- Silicon photodiode with spectral response similar to the human eye.

GPS accuracy:

- Position: 1.5m (CEP95)
- Speed: 0.05 m/s (0.18 km/h)
- Time: $\pm 1\mu\text{s}$

Sampling rate:

- 25 samples/s

Warranty:

- 2 years.



Contact

For further information, see prices, special versions, etc., contact:

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Specifications are subject to change without notice.

