

SMART
SENSOR
BUSINESS

 **Leuze electronic**

the **sensor** people



OGS 600

Sensors for optical tracking

easy handling.



ALWAYS ON TRACK

For flexible optical tracking of driverless transportation systems.

In combination with our optimized OTB trace tapes, the OGS 600 sensor facilitates affordable and straightforward vehicle automation. These driverless transportation systems are popular for the transportation of materials and goods, especially in production and storage areas.

The sensor recognizes optical tracking through edge detection and sends control signals to the motor. The routes of the vehicles are marked with flexible trace tape, which can be conveniently rearranged if needed.

Thanks to models with different tracking widths, the compact OGS 600 sensor can be used for a wide range of applications. The required minimum distance from the ground is only 10 mm, which means it can be integrated even in flat vehicles.

*easy*handling.

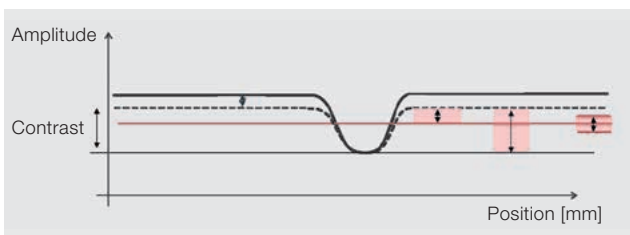


easyhandling.

- High depth of field for optimum loading tolerance
- Integration in flat vehicles through lowest minimum distance to the floor
- Fast and simple commissioning, as only the address needs to be configured
- Clear data telegram for position output of compact controls
- Separate warning output for fault messages
- Including matching mounting bracket with an angulation of 20° in the direction of travel to avoid total reflection

SensorStudio software

- Easy parameterization and interface configuration via SensorStudio
- Assistant for individual analysis of contrast of ground and trace as well as recommendation for optimum trace color



Contrast analysis with SensorStudio assistant

powerreserve.

- Large detection width allows routes with narrow curves
- Short response time for high travel speeds
- High degree of functional and extraneous light protection

thinkmodular.

- Models with different detection widths
- Various optimized trace tapes available
- RS485, RS422, CAN interface

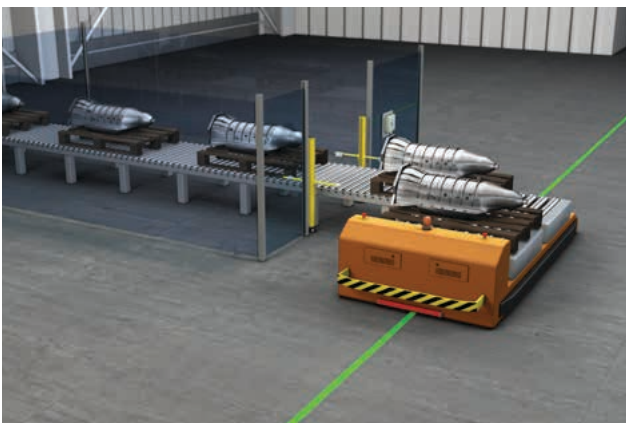
**Technical data**

Feature	OGS 600
Resolution	± 1 mm (up to 49 light paths)
Response time	10 ms
Interfaces	RS485, RS422, CAN
Minimum distance	10 mm from the ground
Depth of field	10 – 70 mm
Detection width	140 / 280 mm

EFFICIENT TRANSPORT

Ideal for use in production
and storage areas.

Typical areas of application



Work piece transport in production



Material supply in storage

Matching accessories

Trace tape



M12 connection cables



Signaling elements



Emergency stop switches

