OGS 600
Sensors for optical tracking

easy handling.

www.leuze.com
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.
- 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

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

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

RS485 RS422 CANopen

Technical data

<table>
<thead>
<tr>
<th>Feature</th>
<th>OGS 600</th>
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</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>± 1 mm (up to 49 light paths)</td>
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<tr>
<td>Response time</td>
<td>10 ms</td>
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<tr>
<td>Interfaces</td>
<td>RS485, RS422, CAN</td>
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<tr>
<td>Minimum distance</td>
<td>10 mm from the ground</td>
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<tr>
<td>Depth of field</td>
<td>10 – 70 mm</td>
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<tr>
<td>Detection width</td>
<td>140 / 280 mm</td>
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Contrast analysis with SensorStudio assistant
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