

# Vertical Laser Scanner

for vehicle barriers

**mAGNETIC**<sup>®</sup>  
ACCESS TO PROGRESS



## For commercial vehicles and additional personal protection

The MLSVER01 vertical laser scanner ensures safe passage for commercial vehicles. Induction loops have difficulty detecting the position of many of these vehicles. As a result, the barriers close when processing trucks and agricultural machines with high projections, although the vehicle is below the boom. In the case of truck trailers, the towing bar is often not detected and the barrier boom is lowered between the towing vehicle and the trailer, causing damage as the trailer continues moving.

The laser scanner generates a vertical detection field next to the barrier boom and prevents the closure of the boom when an

object is located within the detection field. All vehicle types are therefore reliably detected and damage to the bodywork, boom or barrier housing is unfailingly prevented. In addition, the vertical laser scanner is also approved for the protection of persons in the case of slowly closing barriers with a closing force limit of maximum 400 N. With a field size of maximum 9.9 x 9.9 m, the laser scanner is also suitable for high vehicles and wide passages. Environmental effects can be effectively cut out because the scanner emits four adjacent beams.

Technical data	MLSVER01
Detection range	Max. 9.9 x 9.9 m
Power supply	10–35 V DC/max. 5 W
Laser classes	IR laser: class 1, wavelength 905 nm, max. pulse power 75 W Visible red-light laser: class 2, wavelength 635 nm, max. transmission power < 1 mW
Material	Polycarbonate (PC), acrylonitrile (ASA)
Enclosure rating	IP 65
Temperature range	–30 °C to +60 °C
Air humidity	0–95%, non-condensing



### For special vehicles

The MLSVER01 laser scanner reliably detects vehicles with a high chassis, wide projections or coupled trailers, preventing collisions with the barrier boom. The operational readiness of the barriers is thus considerably increased.



### Simple commissioning

The Vertical Laser Scanner can be mounted on a wall or post next to the barrier housing. It enables simple and rapid commissioning for applications in which induction loops do not function reliably.

# Vertical Laser Scanner

## for vehicle barriers

- > Reliable protection against collisions involving barriers and special vehicles
- > Large monitoring field for wide entrances to works grounds and freight forwarders
- > Approved for use on barrier systems with low impact forces where pedestrian traffic can be expected
- > Easily adjustable monitoring field area
- > The ground or floor is taught-in as a reference surface



Options	Description	Illustration
MLGVER_0000	<p>Installation housing for mounting on wall or separate post</p> <p>The Vertical Laser Scanner can be mounted on the left or right in the housing, depending on which side of the barrier boom it is to be used.</p>	
MLPF01	<p>Separate post for installing the laser scanner next to the barrier boom</p> <p>Base plate 210x210 mm, height 2000 mm, diameter 60 mm</p>	
MLVE24	Power supply unit for laser scanner	

We would be pleased to send you dimensional drawings on request.