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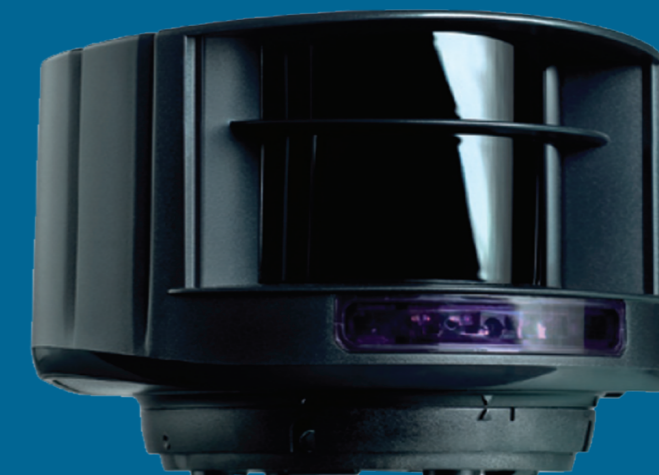
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XGuard 5



XGuard 10

## LASER SCANNERS

Safety sensors for industrial doors and gates

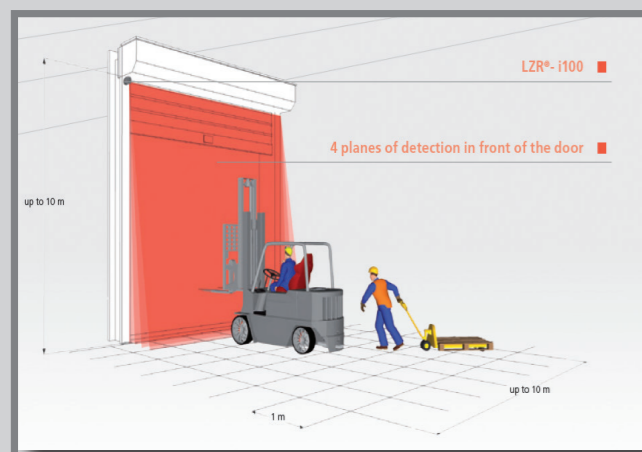


**FAAC**  
*Simply automatic.*

## Performance

- Maximum detection range:
 

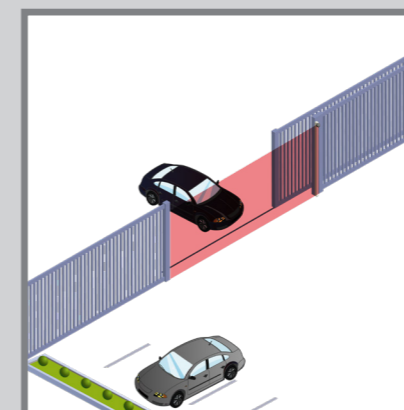
Xguard 10	9.9m x 9.9m
Xguard 5	5m x 5m
- Variable depth of plane (0.5m (XGuard 5)/1m (XGuard 10) max) according to the installation height
- High performance safety solution for industrial doors certified PL "d"/CAT 2 according to EN ISO 13849-1 and Type E according to EN12453
- High level of safety with a complete three-dimensional detection in front of the door
- Detection of small objects (see table below)
- Replaces current solutions such as contact edges, light beams and lightgrids
- Easy installation for new and retrofit applications



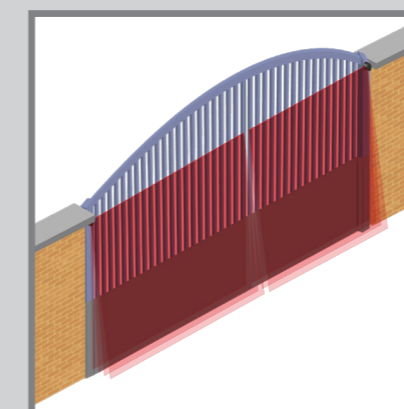
## Technical Specifications

Technology	LASER scanner, time of flight measurement
Detection mode	Presence (EN 12453 Type E)
Max Detection range	5m x 5m (XGuard 5) 9.9m x 9.9m (XGuard 10)
Remission factor	>2%
Angular resolution	0.3516°
Typ min object size	2.1cm@3m/3.5cm@5m / (7cm@10m (i100)) (in proportion to object distance)
Testbody	700mm x 300mm x 200mm (testbody A according to EN 12445)
Emission characteristics	Wavelength 905 nm; max. output pulse power 75W; Class 1 IR LASER Wavelength 650 nm; max output CW power 3mW; Class 3R Red visible LASER
Supply voltage	10-35V DC@sensor terminal
Power consumption	< 5W
Response time	Typ 20ms; max 80ms
Output	2 electronic relays (galvanic isolation - polarity free)
max switching voltage	35V DC/24V AC
max switching current	80mA (resistive)
LED signals	1 blue LED: power on status 1 orange LED: error status 2 bi-coloured LED:detection/output status
Dimensions	125mm (L) x 93mm (D) x 70mm (H) (mounting bracket +14mm)
Material	PC/ASA
Colour	Black
Rotation angles on bracket	-5° to +5° (lockable)
Tilt angles on bracket	-3° to +3°
Protection degree	IP65
Temperature range	-30°C to +60°C if powered
Humidity	0-95% non-condensing
Vibrations	<2G
Norm conformity	2006/95/EC: LVD; 2002/95/EC: RoHS 2; 2004/108/EC: EMC; 2006/42/EC: MD; EN12453:2000 chapter 5.1.1.6, chapter 5.5.1 Safety device E; EN 12978:2009; EN ISO 13849-1: 2008 PI "d"/CAT2; EN 60529: 2001; IEC 60825-1: 2007; EN 60950-1: 2005; EN 61000-6-2: 2005; EN 61000-6-3: 2006; IEC 61496-1: 2009; EN61496-3: 2008 ESPE Type 2; EN 62061:2005 SIL 2; DIN 18650-1: 2010 Chapter 5.7.4

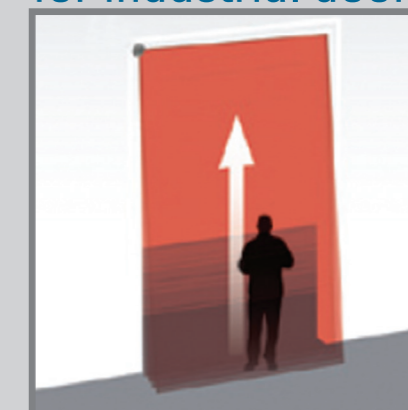
### On sliding gates



### On swing gates



### Premium Safety Solution for industrial doors



### Virtual Push button



#### Applications:

- Safety at the opening and closing of the door thanks to 2 separate detection areas
- Possibility to create 2 virtual push buttons to open the door/gate

#### Designed for industrial environments:

- Filters door vibrations and environmental interferences
- Filters door leaf deformation by wind force
- Degree of protection: IP65

#### Ease of installation:

- Easy setting of the detection zone with 3 visible LASER beams
- Xguards require a universal remote for programming (order as separate engineers tool) Automatic door dimensions teach-in
- Cable of 10m provided
- Mounting bracket is available separately