



Photocells and safety devices/  
**Laser detector for industrial gates and doors**



# FLATSCAN IP66

NEW

**FLATSCAN IP66** is a compact, single curtain sensor composed of 400 beams, based on LASER technology, **designed for use on automatic industrial doors and swing gates.**

The high accuracy of laser technology ensures precise detection of people and vehicles within a range of 5.5 m x 5.5 m, in indoor and outdoor environments. The robust metal housing with **IP66 protection** rating makes the sensor suitable for installations in industrial environments and outdoor applications.



**Certified  
EN12453 type D**



Applications on:

### SWING GATES



### SLIDING GATES



### INDUSTRIAL DOORS



#### **Versatile sensor orientation**

Flexible mounting options on either side make the sensor easy to install in any application.

#### **Installation height adjustable**

The sensor can be installed up to 5.5 m to comply with EN 12453 standard.

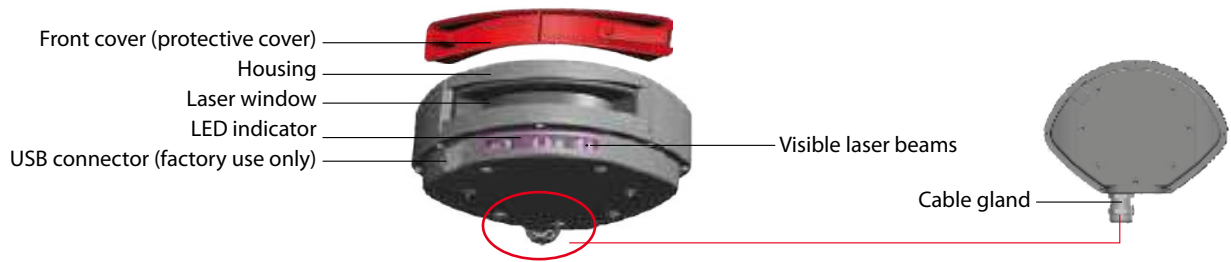
#### **Reduced unwanted detections**

The anti-fog filter and additional protection settings allow on-site adjustment and reduction of environmental interference.

#### **Robust and compact design**

The metal housing and IP66 protection rating safeguard the sensor even in harsh environmental conditions. Its small, compact size makes it easy to install even in limited spaces.

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**Technology:** LASER scanner, time-of-flight measurement

**Mounting height:** from 2.5 m to 5.5 m

**Maximum detection area:** Max. 5.5 m × 5.5 m (4 m @ 5% reflectivity)

**Detection types:** presence

**Radar field of view:** 90°

**Tilt angle:** ±3° (with bracket)

**Power supply:** 12 – 24 V DC ±15%

**Output:** 1 opto (galvanic isolation – polarity-free)

> Max. switching voltage: 30 V AC / 42 V DC

> Max. switching current: 100 mA

> 1 relay (potential-free contact)

> Max. contact voltage: 30 V AC / 42 V DC

> Max. contact current: 1 A (resistive)

> Max. switching power: 30 W DC / 60 VA AC

**Power consumption:** approx. 2.3 W, peak current = 1 A

**LED:** 1 tri-color LED: detection/output status

**Optical characteristics (IEC/EN 60825-1):**

> Wavelength 905 nm; output power < 0.1 mW; CLASS 1

> Wavelength 635 nm; output power < 1 mW; CLASS 2 – visible spot

**Vibrations:** < 2 G

**Material / Color:** Aluminum A380 – black

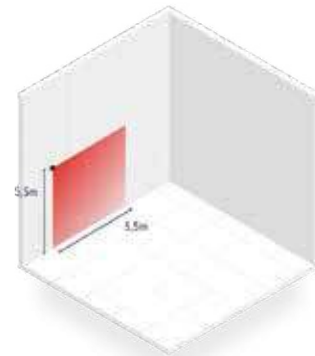
**Dimensions:** 124 mm × 90 mm × 50 mm without bracket

**Protection rating:** IP66 (IEC/EN 60529)

**Operating temperature:** -30°C to +60°C when powered

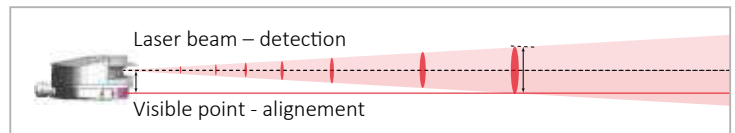
**Humidity:** 0–95% non-condensing

**Standards:** EN 12453 (type D)



**INSTALLATION**

- 3 visible LED spots provide precise reference points to help adjust the angle of inclination
- The sensor can be mounted on the right, in the centre or on the left for easy installation
- Parameter adjustment via remote control



**APE - 790 / 2030**



**FLATSCAN IP66**  
 Laser detector for industrial gates and doors, bracket included

**Accessories**

**APE - 790 / 0103**



> see page A96

**CTRL – Universal remote control for programming**