

# TRANSPORT GATE HIGH SECURITY



EASIER's TGH represents the optimal balance between throughput, design, robustness, and security, aiming to maximize the prevention of fare evasion.



## DESCRIPTION

EASIER's TGH is a robust and high performance automatic retractable gate ensuring rapid, efficient and safe pedestrian control.

Integrating our specific expertise in the public transport sector over 50 years, TGH is the best-in-class for detection and safety. With features including an exclusive powerful detection system called DIRAS™ (Automatic Systems Infrared Detection), the TGH offers the best prevention level against fraudulent passages while guaranteeing the protection of the user's safety.

The TGH is a modular product that can be customized to suit both technical and aesthetic requirements, which makes it unique and ideal for each project.

The TGH can be installed in single or multiple lanes, and can be adapted in size to create standard passages and PRM passages. A typical bank of lanes is composed of one right unit, one left unit, and additional intermediate units equipped with mobile obstacles on both sides.

## KEY FEATURES

- Design, manufacture and repair in Belgium and France
- Bidirectional with different modes configurable by software: "Controlled", "Free" or "Forbidden" in each direction independently
- Highly modular design to adapt to customer needs and local normative and regulatory constraints (CE, ADA, UL...)
- Mobile obstacles in 12 mm thick clear railway-quality tempered safety glass
- Patented DIRAS® detection system, consisting of a high-density network of infrared transmitter/receiver photoelectric cells  
This system performs a precise monitoring of the users behavior throughout the lane, ensures their safety and guarantees a high rate of infractions detection
- Orientation pictogram providing an intuitive indication of the gate accessibility to the user
- Easy and ergonomic integration of all types of readers: magnetic, contactless, barcode, or biometric
- Throughput of 40-60 people/minute depending on reader type

## PRODUCT SPECIFICATIONS

PASSAGE WIDTH	500-600 mm (Standard / TGH800) 800-900 mm (PRM / TGH810)
MOTOR (x2/LANE)	Asynchronous 3-phases, 120 W
OPENING TIME	0.7 s (TGH800) / 1.0 s (TGH810)
CLOSING TIME	0.8 s (TGH800) / 1.2 s (TGH810)
MTTR	< 30 minutes
RELATIVE HUMIDITY	< 99%, without condensation @25°C
OPERATING TEMPERATURE	-10°C to + 50°C (0°C to +40°C with optional UPS)
PROTECTION CLASS	IP43 (Optional IP54) IK09 (Optional IK10)
MCBF (MECHANICAL)	> 5,000,000 cycles (with respect of the recommended maintenance)
CABINET DIMENSIONS	Width : 300 - 450 mm, Length: 1670 - 1900 mm, Height : 900 - 1100 mm
HOUSING MATERIAL	1.5mm brushed 304L (316L optional)
WEIGHT (Kg)	TGH800 / TGH810 250 / 340 (Right unit) 295 / 360 (Intermediate unit) 240 / 320 (Left unit)
OBSTACLE DIMENSIONS	Height from floor : 900 - 1900 mm. Thickness : 12 mm
POWER SUPPLY	110/230 VAC (+/- 10%), 50/60 Hz, 10 A max
CONSUMPTION PER LANE (w/o reader)	Standby: 115 W, Operating: 250 W

## MAIN OPTIONS TO CONFIGURE YOUR TGH (\*)

- Housing : 2mm stainless steel / 316L / RAL painting / security locks & opening detection sensors
- Obstacles : various shapes and dimensions / Polycarbonate / 10mm thick / Plastic film / Personalized logo
- Adjustable base (compensate floor deviation)
- RGBW orientation pictogram / self-diagnostic of defective LED
- Display : 4x20 characters / 10" / Touchscreen
- Loudspeaker to play recorded messages
- Passage counter totalizer with display
- Internal cooling / heating system
- Emergency push button
- UPS or self-supporting battery
- Smart & Slim supervision console for gate configuration and monitoring

(\*) Other customizations available on request