



QUARTERHILL

TMA-3B3 Bicycle Counter

Count bicycles with high accuracy, autonomously, everywhere and all the time. Combined radar and lidar technologies count bicycles on bike lanes with high accuracy, even in groups.

WHY A RADAR?

Above ground technology

- Safer for the traffic engineers, who can stay on the roadside for installation
- Less expensive: no road works and no traffic interruption needed for the installation

It operates under all weather conditions

- Frost, snow, etc. have no influence on the radar performance.

No maintenance

- No calibration is required

WHY AN ICOMS RADAR?

Field proven and reliable

- Thousands of ICOMS radars installed worldwide since 1993.

User friendly

- Easy to install
- Detachable cable at the rear side (on compact housing)
- Delivered ready to install, i.e. including cable, fixing support, screws and bolts

ADVANTAGES

- Accuracy: 97% in rush hour
- Ability to count bicycles in a group
- Non-intrusive technology

Autonomous and mobile

- Achieves equal performance day and night
- Speed measurement
- Data may be sent to a central server using a modem
- Available in three housing options for different mounting requirements: Standard, Compact and TOTEM



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TMA-3B3 Bicycle Counter

Specifications			
	TMA-3B3 Vandal resistant case 	TMA-3B3 Compact Housing 	TOTEM 
Mounting system	Specific system supplied, adapted to M8		4 threaded rods, to be mounted on concrete slab
Dimensions (mm)	L 176 x H 195 x D 185	L 68 x H 99 x D 119 (incl. connector)	L 463 x H 2600 x D 259 (incl. solar panel)
Weight	4 450 g, 5m cable & bracket incl.	475 g; bracket: 435 g; 5 m cable: 450 g	50 kg incl. battery, anchor plate and solar panel
Material	Coated stainless steel	Aluminium & stainless steel	Coated stainless steel
Detection range	Adjustable - Up to 6 m		
Max. bicycle path width	4 m		
Detection direction	Bidirectional		
Max. speed for detection	40 km/h (optional: 55 km/h)		
Min. radial speed for target validation	3 km/h		
Operating temperature	from -20 °C to +60 °C		
Consumption	130 mA @ 12 V DC		
Power supply	12 V battery, powered by solar panel or public lighting		
User input/output	Input: RS-232 - Output: RS-232 + 4G modem		
Frequency LIDAR wavelength	K-band: 24.165-24.235 GHz 905 nm		



STANDARDS

- Directive 2014/53/EC
- Lidar classified EN/IEC 60825-1 2014



QUARTERHILL

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Quarterhill Safety and Enforcement division
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