



## 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



Solar-powered TOTEM TMA-3B3 bicycle counter



# TMA-3B3 Bicycle Counter

Specifications			
	TMA-3B3 Standard Housing	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 230 x H 245 x D 270 (excl. mounting bracket)	L 68 x H 99 x D 119 (incl. connector)	L 463 x H 2600 x D 259 (incl. solar panel)
Weight	3 100 g, 5 m cable incl. Bracket: 750 g	475 g; bracket: 435 g; 5 m cable: 450 g	50 kg incl. battery, anchor plate and solar panel
Material	ABS plastic & 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 + 3G or 4G modem		
Frequency LIDAR wavelength	K-band: 24.165-24.235 Ghz 905 mm		



## STANDARDS

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

