

## Counting bicycles: measuring is knowing



**THE TMA-3B3 COUNTS THE BICYCLES WITH HIGH ACCURACY, AUTONOMOUSLY, EVERYWHERE AND ALL THE TIME**

- ✓ Use of bike paths study
- ✓ Individual speed measurement for safety facilities assessment
- ✓ Permanent or temporary measurement point

### SAVINGS ON BUDGETS FOR

- Road digging
- Security
- Intervention

### HOW DOES IT WORK?

The TMA-3B3 combines the radar and lidar technologies to count the bicycles on bike lanes with high accuracy, even in groups. It measures as well the speed. The data can be sent to a server using a modem.



## 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



## ADVANTAGES



- ✓ Accuracy: 97 % in rush hour
- ✓ Ability to count bicycles in a group
- ✓ Non intrusive technology
- ✓ Autonomous and mobile
- ✓ Day and night equal performance

## 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

## TECHNICAL FEATURES

Detection range	Adjustable - Up to 6 m
Detection direction	Bidirectional
Max. bicycle path width	4 m
Max. speed for detection	40 km/h
Min. radial speed for target validation	3 km/h
Dimensions (excl. mounting bracket)	L 230 x H 245 x D 270 mm Compact housing: L 68 x H 99 x D 150 mm (incl. connector)
Weight	3 100 g (5 m cable incl.), bracket: 750 g Compact housing: 475 g, bracket: 435 g, 5 m cable: 450 g
Environmental protection	IP 65
Operating temperature	From -20 °C to +60 °C
Mounting system	Specific mounting system supplied, adapted for M8
Power supply	12 - 16 V DC
Consumption	130 mA @ 12 V DC
Frequency	K-Band: 24.165-24.235 Ghz + LIDAR
LIDAR wave length	905 nm
User input/output	RS-232

## OPTIONS

- Solar power, incl. solar panel and solar regulator
- 3G modem
- Compact housing



CE  
STANDARDS

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

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**TMA-3B3**