

## TECHNICAL SHEET

# MOBILE MULTI

The Mobile MULTI is designed for temporary pedestrian and bicycle counting. The system brings together two types of sensor technologies, each being dedicated to a single user type. The different signals are analyzed by an intelligent system, the SMART Connect, which is able to prioritize choices in order to classify the different user types. The counter is self-calibrating for simple installation and it can easily be moved between different counting locations.

- + Mobile
- + Quick Installation
- + Counts & Classifies Users



## General Characteristics

<b>Technology</b>	+ PYRO Sensor: Passive Infrared Pyroelectric + Pneumatic TUBE: Piezoelectric
<b>Battery Life</b>	+ Internal battery: Up to 10 years + Modem battery: 2 years
<b>Calibration</b>	Autocalibration
<b>Settings</b>	Counting mode can be set up with delivered Software
<b>Direction</b>	Direction recognition
<b>Covered Width</b>	Pedestrian counting: Up to 4m (13') Bicycle counting: + Selective TUBEs (for roads in mixed traffic): Up to 9m (29'5") + Mini-TUBEs (for dedicated bicycle lanes and greenways): Up to 6m (19'5")
<b>IP Rating</b>	IP66
<b>Data Backup</b>	60-minute or 15-minute data recording interval
<b>Memory</b>	> 20 months

## Counting Modes

<b>«Pedestrian» Mode</b>	Pedestrian monitoring only
<b>«Bicycle» Mode</b>	Bicycle monitoring only. Used with Selective TUBEs, the system ignores motorized vehicles*
<b>«MULTI» Mode</b>	Pedestrian AND bicycle monitoring with user classification
<b>«Independent» Mode</b>	Counts pedestrians on a sidewalk while counting bicycles on the nearby bike lane. Used with Selective TUBEs, the system ignores motorized vehicles*

\* Using Selective TUBEs on roads in mixed traffic (bicycle lanes, shared bicycle/bus lanes) is imperative.



Mobile MULTI counting pedestrians & cyclists

## TECHNICAL SHEET

# MOBILE MULTI

All Eco-Counter® products are designed and manufactured in France

### Physical Characteristics

#### PYRO-Box

<b>Weight</b>	3kg (6.5lbs)
<b>Dimensions</b>	195 x 110 x 275mm (7.5 x 4 x 11 inches)
<b>Material</b>	Polyamide (30 % glass fibre reinforced)
<b>Color</b>	Grey – RAL 7045 (others may be available on request)
<b>Fixing Plate Dimensions</b>	H x W = 228 x 144mm (9 x 4.5 inches)
<b>Fixing Plate Material</b>	Stainless steel

#### Pneumatic TUBE

<b>TUBE Diameter</b>	+ Selective TUBE (for installation on shared roads): 15mm (0.5") + Mini-TUBE (for installation on greenways): 9mm (0.35")
<b>IP Rating</b>	IP 68
<b>Material</b>	Rubber

#### Shock Absorber\*

<b>Length</b>	150cm (60")
<b>Diameter</b>	15mm (0.5")
<b>Material</b>	Rubber

\* Shock absorbers are supplied only with Mini-TUBEs

### General Overview



Front View



Side View



Finn-Raj Oy  
Särkijärventie 35, 78880 Kuvansi  
+358 400 335 033



[www.finnraj.fi](http://www.finnraj.fi) | [reijo.onikki@finnraj.fi](mailto:reijo.onikki@finnraj.fi)