



ZELT^{EVO} is a high precision counter for cyclists and scooters. More precise, more efficient and scalable, ZELT^{EVO} is a new generation of autonomous, battery-powered counters with a battery life of 1 year or more. Its high precision counting gives a clear vision of your facilities' users. The detection loops can be installed in any type of surface.

- + Bicycle and scooter counting
- + High precision counting
- + Time stamped data
- + Direction detection
- + Battery powered
- + Remote automatic updates

Counted users

ZELT^{EVO} allows you to count cyclists and scooter users to easily and reliably see traffic trends.

Two versions allow counting and differentiation of bikes and scooters, as well as time-stamped data. The first (SD) counts bikes on all types of lanes; the second (HD) counts scooters on dedicated lanes*, and detects the direction of users.

*Optional on shared lanes



The SD version of ZELT^{EVO} allows for more accurate counting of cyclists in all conditions. Groups are counted, and anything other than a bike is excluded from the count.



The HD version of ZELT^{EVO} records direction and counts cyclists and, on dedicated lanes, scooters*. For added data quality, it timestamps counts.

ZELT^{EVO}

All Eco-Counter[®] products are designed, developed and manufactured in France.

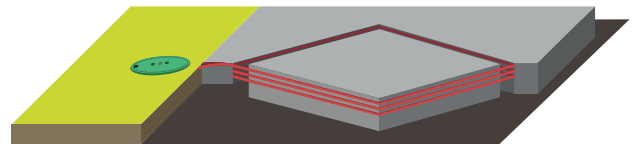
General Characteristics

Technology	Electromagnetic loop
Power source	Battery powered
Calibration	Autocalibration
Covered width	+ Without direction detection: up to 39' (12m) + With direction detection: up to 19' (6m)
Counted users	+ Cyclists + Scooter users (option) <i>Counting with classification of bikes and scooters on separate bike lanes.</i>
Transmission frequency	+ Standard : Twice a day + Going from every 15 minutes down to once a day
Data recording	+ Aggregation: every 60 minutes or 15 minutes (option) + Maximum 40.000 time-stamped data with direction
Configuration	Configuration using the Eco-Link Evo app
Connectivity	+ LTE Cat-M1/NB-IOT

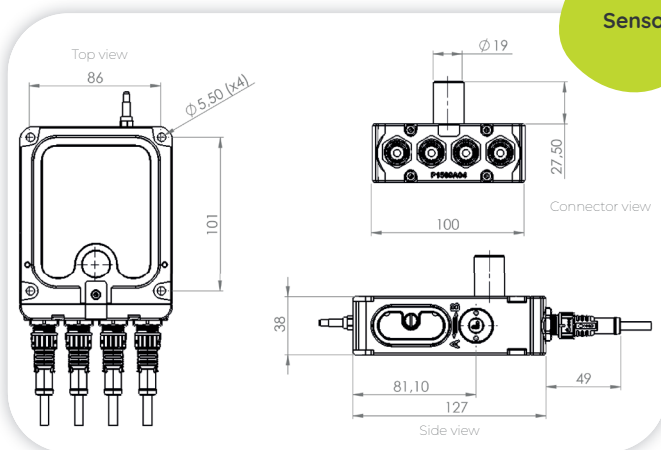
Physical Characteristics

Connectors	+ 2 x 4 loop connectors + 1 battery pack connector + 1 dry contact connector
Installation	+ Trench depth: 1.57" - 1.96" (40 - 50 mm) + Trench width: 0.78" (20 mm) + Manhole installed nearby
IP classification	IP 68
Detection loop size	+ Loop length: 31.5" - 59" (80 - 150 cm) + Loop width: 15.7" (40 cm)

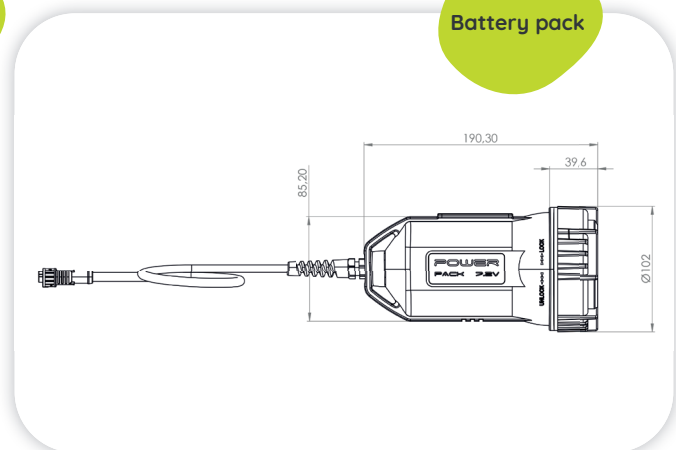
Installation example



Dimensions



Sensor



Battery pack

Additional products to support your counting strategy:

Urban MULTI:
Permanent counter
Urban
Ped. & Cyclists



MULTI Nature:
Permanent counter
Natural
Ped. & Cyclists



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TECHNICAL SHEET

ECO-DISPLAY CLASSIC+

The Eco-DISPLAY Classic+ is an eye-catching and powerful display that makes cyclists and pedestrians a more visible part of the urban landscape. Composed of one or several matrix displays, the Eco-DISPLAY Classic+ displays real-time passages that are registered by the counter, with cumulative daily, monthly, or even yearly counts. It can also display scrolling or fixed texts of your choice on each side. Both sides are fully customizable (colors, display areas, scrolling behavior, etc.). The counts registered are sent to our online software solution Eco-Visio, where they can be analyzed and shared with the public. The ComEth*-based system also allows for rich ITS integration options.

+ Highly customizable display

+ Display visible at night



Physical Characteristics

Dimensions	239 x 47 x 16cm (94 x 18.5 x 6.25 inches)
Weight	≈ 110kg (242.5 lbs)
Wind Resistance	Zone 5 according to NV65 standard
Display Surface	<ul style="list-style-type: none">+ RGB LED lights - 16 colors+ Pixel pitch: 5mm (0.2")+ Automatic adjustment to ambient light levels+ Display surface size: 32 x 16cm (12.5" x 6"), 32 x 32cm (12.5" x 12.5") or 32 x 64cm (12.5" x 25")
Material	<ul style="list-style-type: none">+ Aluminum frame and shock-resistant polycarbonate (Lexan®)+ Graffiti-proof and rust-proof powder coating
Frame Color	Graffiti-proof painting - Customizable color
Power Input	110 VAC or 220-240 VAC power source must be available on site
Power Consumption	<ul style="list-style-type: none">+ Max. 360W (double-sided Eco-DISPLAY Classic+)+ Average: 80W
Connection to the Sensor	Wired connection to the sensor - CAN protocol
Hole Dimensions for the Anchor Base	H x L x W = 550 x 700 x 600mm (21.65 x 27.5 x 23.5 inches)

General Characteristics

Installation	Installation with an anchor base
Waterproofness	IP55
Temperature Resistance	- 30°C / + 50°C (-22°F to 120°F)
Design	Fully customizable
Settings	Embedded Web server for maintenance and sensor settings on site or remotely (through WIFI or Ethernet communication)
Sensor Associated	Compatible with any Eco-Counter® sensor, except CITIX-IR

* See our ComEth technical sheet for more information.

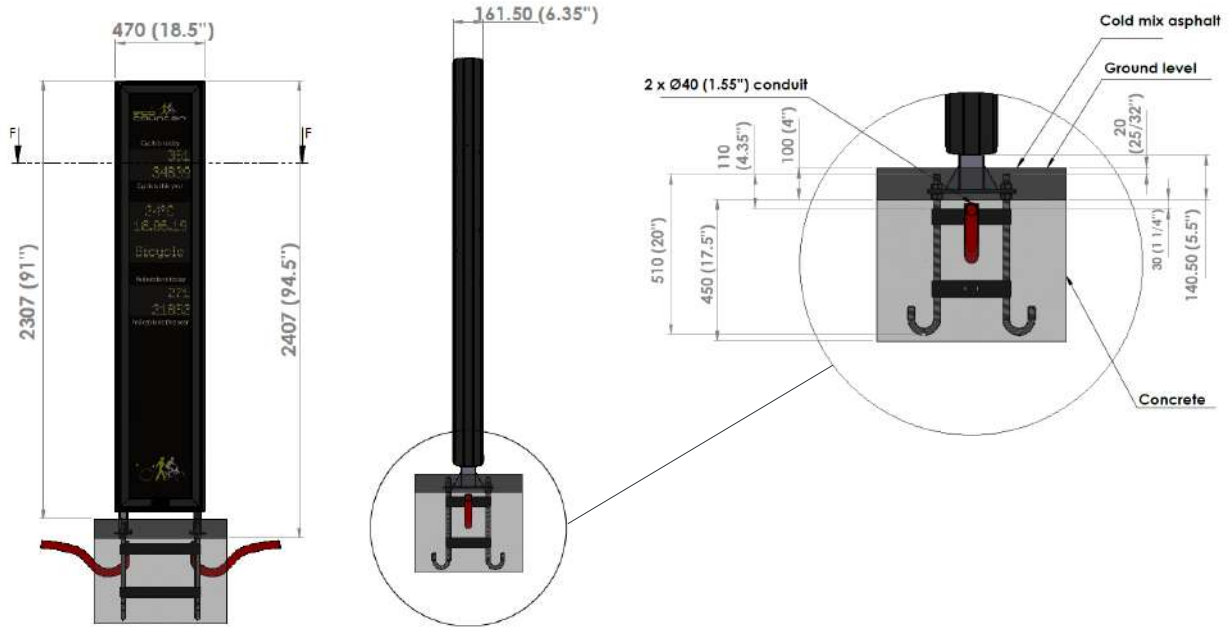
Eco-DISPLAY Classic+ installed on a bike path



Non-contractual documentation. Specifications subject to change without notice.

ECO-DISPLAY CLASSIC+

Dimensions



Examples of Display Combinations

8-Line Eco-DISPLAY Classic+

Line 1

Line 2

Line 3

Line 4

Line 5

Line 6

Line 7

Line 8

6-Line Eco-DISPLAY Classic+

Line 1

Line 2

Line 3

Line 4

Line 5

Line 6

Non-contractual documentation. Specifications subject to change without notice.

The **Eco-DISPLAY Classic+** is an **eye-catching and powerful display** that makes cyclists and pedestrians a more visible part of the urban landscape. Using the **ComEth technology**, the system **can be connected to any Eco-Counter Sensor***.

Composed of one or several **matrix displays**, the **Eco-DISPLAY Classic+** displays real-time passages that are registered by the counter, with cumulative daily, monthly, or even yearly counts. It can also display **scrolling or fixed texts** of your choice on each side. Both sides are **fully customizable** (colors, display areas, scrolling behavior, etc.).

The counts registered are sent to our online software solution **Eco-Visio**, where they can be analyzed and shared with the public.

The ComEth-based system also allows for rich **ITS integration options**. See our ComEth technical sheet for more information.

Physical Characteristics / Specifications

Dimensions	239 x 46 x 16cm (94 x 18 x 6.5 inches)
Weight	≈ 110kg (242.5 lbs)
Waterproofness	IP55
Temperature Resistance	- 30°C / + 50°C (-22°F to 120°F)
Wind Resistance	Zone 5 according to NV65 standard
Material	<ul style="list-style-type: none"> Aluminum frame and shock-resistant polycarbonate (Lexan®) Graffiti-proof and rust-proof powder coating
Display Surface	<ul style="list-style-type: none"> RGB LED lights - 16 colors Pixel pitch: 5mm (0.2") Automatic adjustment to ambient light levels Display surface size: 32 x 16cm (12.5" x 6"), 32 x 32cm (12.5" x 12.5") or 32 x 64cm (12.5" x 25")
Frame Color	Graffiti-proof painting - Customizable color
Design	Fully customizable
Settings	Embedded Web server for maintenance and sensor settings on site or remotely (through WIFI or Ethernet communication)
Power Supply	Client must provide 230/110 VAC power supply
Power Consumption	Max. 360W (double-sided Eco-DISPLAY Classic+) / Average: 80W
Sensor Associated	Compatible with any Eco-Counter sensor*
Connection to the Sensor	Wired connection to the sensor - CAN protocol
Installation	Installation with an anchor base
Hole Dimensions for the Anchor Base	H x L x W = 600 x 700 x 600mm (23.5 x 27.5 x 23.5 inches)



Eco-DISPLAY Classic+ with a ZELT counter for bicycles



Eco-DISPLAY Classic+ with an Eco-MULTI for pedestrians & bicycles



Eco-DISPLAY Classic+ installed on a bike lane in Izmir (Turkey)



* Except CITIX-IR

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Europe | Worldwide

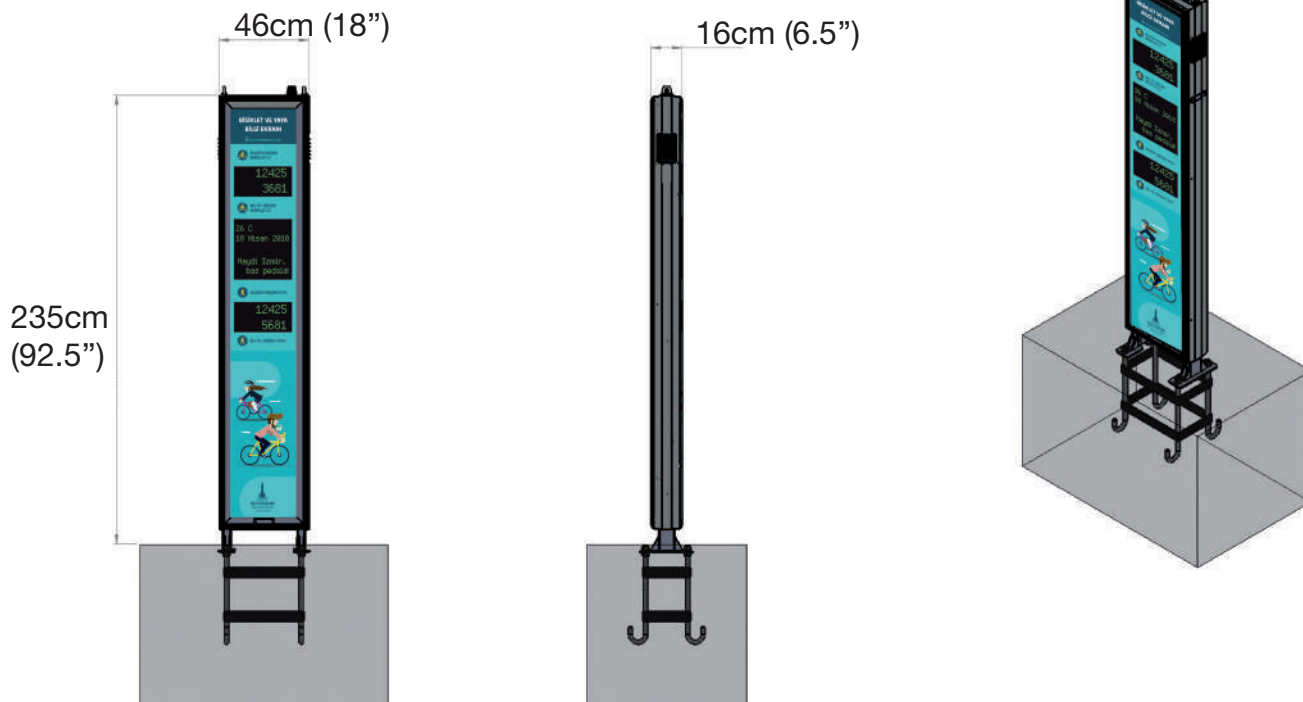
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North America

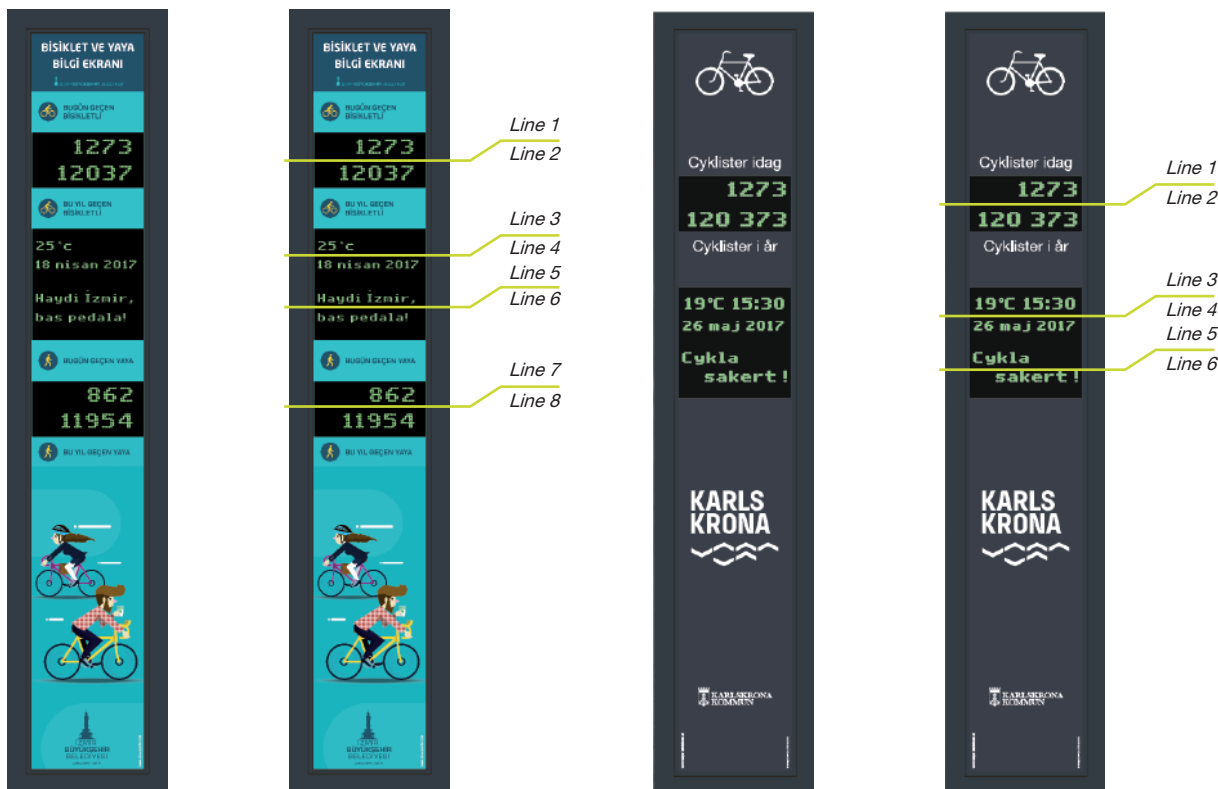
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Dimensions



Examples of Display Combinations



8-Line Eco-DISPLAY Classic+

6-Line Eco-DISPLAY Classic+

Preliminary datasheet – Specifications subject to change without notice

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