

# VIASITE 25 ECO

"YOUR SAFETY IS OUR PRIORITY"

VIATRONICS



ViaSite 25 Eco Speed Display provides budget friendly solution without compromising visibility. Brightness is equal to Pro-series displays.

- Green –Red LED indicates if speed is above the limit by changing the color:
  - If speed is below the preset speed limit, speeds are shown in Green
  - If speed is above the preset speed limit, speeds are shown in Red
- Super bright 8000 mcd LEDs are two times brighter compared to conventional displays.
- Automatic brightness adjustment tunes LED-brightness to fit different lighting conditions.

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## VIASITE 25 ECO

**ViaSite 25 Eco** speed sign uses (Radar) Doppler effect to accurately measure & display speeds over a wide range of surfaces including roads, rails e.t.c. Display is updating vehicle speed once per second. If speed is below pre set speed limit, it will be displayed as green. If vehicle is above the speed limit, it will be displayed as red.

In case of power loss or during the night if you use it with solar panel only, the speed sign will operate by using it's internal battery. An internal controller measures the battery charge. It automatically switches off the speed sign if the battery voltage goes below 11,5V and it will switch on again when the voltage goes above 12.5 V (after some charging).



### ENCLOSURE

The display enclosure is made from strong but yet lightweight plastic composite material.



### REFLECTIVE YOUR SPEED STICKER OR TEXT PLATE

The display is equipped with a reflective "YOUR SPEED" sticker or plate. If an optional "SLOW DOWN" LED-text is used. "YOUR SPEED" sticker is replaced with a text plate on top of the display. Different language options are available for texts.



## MOUNTING BRACKETS

System is delivered with standard 76 mm / 2,5" round pole mounting brackets. Optionally there are also 60 or 89 mm brackets available as well.

Solar panel version is delivered with an additional solar panel mounting brackets. Side mount brackets are with 20° angle providing effective solar charging for the system.



## BATTERY

System can also be equipped with an optional 7-14 Ah rechargeable battery pack. Battery pack provides up to week of operation time with one charge.



## SOLAR PANEL

System can also be equipped with an optional 40-80W solar panels for continuous off the grid operations.







## GENERAL SPESIFICATIONS

Height of "Your Speed" letters :	60 mm
Housing:	Composition, Black PVC case
Size / Weight:	H 42 cm x L 37 cm x W 9 cm / 5 Kg
Makrolon Front class:	4 mm thick, shatter resistant, protects LEDs
Weatherproof:	Conforms to NEMA 4R level design non-sealed & ventilated
Temperature Ranges:	A/C model: -30 °C to +60 °C (-22 °F to 135 °F) Solar & Battery models: -30 °C to +60 °C (-22 °F to 135 °F)
Humidity Maximum:	100 %
Warranty	1 year Parts and Labour

## LED BOARD

Number of digits:	Two (2)
Digit height:	25 cm / 10 inches
Type:	7-segment 4 LED rows
LED / brightness:	Super bright Green & Red LED:s / 8000 mcd each (life up to 100,000 hours)
Display Brightness Control:	Auto adjust to light conditions

## POWER

Supply Voltage:	240VAC
Supply Voltage Solar Panel (Option):	40-80 watt / 17.4V, Current at Pmax = 3.11 Amps
Nominal power / Battery (Option):	12 VDC / 7-14 Ah
Power consumption	Idle mode < 1 W / Active mode < 0.2 amps (2 W)
Circuit Breaker:	5 amp fuses

## MICROWAVE SPESIFICATIONS

Type:	K Band, directional Doppler radar, FCC part 15 compliant
Sensor Range:	Sensor range up to 150 m
Frequency:	24.125 GHz, +/- 50 MHz
Beam width:	30 / 40 degrees, +/- 2 degrees
Speed Detection Range:	0 - 199 KPH
Accuracy:	+/- 1.5 KPH

## MOUNTING

Display:	Hardware for 2,5" (76 mm) diameter round poles as a standard Hardware for 60 or 89 mm diameter poles are available as an option
Solar Panel:	Side pole mount with 20° angle bracket for effective solar charging

**Viatronics Corp.**

**Merikotkantie 10 LH1, 67200 Kokkola, Finland**

**Tel: +358 207 528 570 • Fax: +358 207 528 579**

**info@viatronics.eu • www.viatronics.eu**

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