

# VIASITE 230 PRO

"WHEN ONLY THE BEST IS GOOD ENOUGH"

The logo for VIATRONICS is displayed in white, bold, uppercase letters on a red rectangular background. A stylized starburst graphic is positioned behind the letter 'A'.

ViaSite Pro Speed Dolly was designed with only one question in mind: "If speed displays can be hardly noticed, what's the point?"

Our engineers came up with following solutions to make a point:

- Super bright 8000 mcd LEDs are two times brighter compared to conventional displays.
- 3-line LED-segments are over 30% more visible compared to 2-line LED-segments.
- Antireflective™ Front Glass increases visibility by minimizing glare and reflections.
- Automatic brightness adjustment tunes LED-brightness to fit different lighting conditions

One of the leading thoughts with the visibility has been sufficient & long operating hours. The dolly comes with up to 90 Ah battery pack. Optional 60W Solar panel kit further extends the operation hours.

But we didn't leave it just there, so please turn the page and read more...





## ALUMINIUM

The display is made from strong but yet lightweight Sea Aluminium (Almg 3). Powder coated and baked paint surface provides a hard scratch and weather resistant surface for permanent outdoor mounting or even for portable use. All display connectors are IP65 classified for maximum weather sustainability.



## VIAMODULE

ViaSite™30 Pro is based on a ViaModule™ user interface. It is easy to operate having a backlit LCD-screen and only five control buttons. An easy-to-read menu structure allows straightforward programming of all functions needed in most speed display and data collection applications. The system can also be set to flashing digits when the pre-set speed limit is exceeded. Minimum & maximum speed settings filter out pedestrians and cyclists and extreme speed violations. **All these settings can be changed & adjusted directly at the site with the controller without computers.**



## BATTERY

System is equipped with an 160 Ah rechargeable battery pack with battery charger for off the grid operation



## SOLAR PANEL

System can also be equipped with an optional 60W solar panels for extending the battery life when running the system on batteries.

## “SLOW DOWN” LED TEXT

The display can be also equipped with an optional blinking “SLOW DOWN” LED-text in any language. Text lights up if pre-set speed limit is exceeded. “Slow down” text can be placed either above or below speed digits.



## 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.





## OPTIONAL TRAFFIC DATA COLLECTION



### SD-CARD

Integrated data collection provides the possibility to collect millions of speed samples bi-directionally with a speed/date/time stamp on a Secure Digital card (SD).



### BDC

An internal data filter collects data from both directions, while the speed display shows velocities to approaching drivers.



### TSA

The display is equipped with a TSA (Target Separation Algorithm) function to separate one vehicle from another. TSA improves accuracy significantly while vehicle & speed information is gathered.



### GPRS DATA

An optional GSM/GPS – module enables wireless data transfer over GPRS-data connection.



### GPS

The module includes also an automatic Google Maps™ –link to each email report, so you can easily check the display location in multi display systems.



### EMAIL

The module includes automatic e-mail reporting from gathered speed data within pre-set time intervals.

### NEW IN VERSION 3.0

WIRELESS OPTION PROVIDES AUTOMATIC EMAIL REPORTS WITH BI-DIRECTIONAL TRAFFIC DATA!

GOOGLE MAPS LINK VERIFIES THE DISPLAY LOCATION ON GOOGLE MAPS SERVICE!





<b>GENERAL SPESIFICATIONS</b>	
Environmental:	-30°C to +70°C (-22 °F to 158 °F)
Units of Measure:	User Selectable (MPH, KPH, FT/sec., MT/sec.) Tenths Available Also
Target Speed Limits:	User selectable from 1 - 240 KPH / 1 - 150 MPH
Accuracy:	+/- 1 MPH or KPH
Adjustable Speed Range:	Down to 5 KPH (5 MPH)
Adjustable Sensitivity Levels:	5 different settings
Signal processing:	Digital
Directionality:	Track target direction of approaching, receding or both.
<b>WEIGHT &amp; DIMENSIONS</b>	
Housing:	Painted black aluminium (Almg 3)
Size / Weight:	H 130 cm x L 65 cm x W 60 cm Battery Box: H 30 cm x L 30 cm x W 52 cm
Front class:	5 mm durable Polycarbonate class (PC) with antireflective surface
IP-Classification	IP65
<b>POWER</b>	
Supply Voltage:	110-240 V
Supply Voltage Solar Panel (Option):	12-16 V / 60W
Nominal power / Battery (Option):	12V / 80-90 Ah
Power consumption	0,23 A (2,8 W) Minimum / 5 A (61 W) Maximum
<b>MICROWAVE SPESIFICATIONS</b>	
Frequency / Beam width:	24.125±.1 GHz (K-Band) / 12° Horizontal
Output Power (EIRP):	<20dBm
Microwave Source / Antenna Type:	DRO or PHEMT / Planar Array
Polarization / Receiver Type:	Linear / Dual Channel Low-Noise
<b>LED BOARD</b>	
Number of digits	Two (2)
Digit height	30 cm
Type:	7-segment 3 LED rows
LED-quantity:	266 PCS
Angle and brightness:	40° / 8000 mcd with automatic brightness adjustment
Options:	LED-texts "SLOW DOWN" , "KM/H" , etc.
<b>CONTROLLER SPESIFICATIONS &amp; FUNCTIONS</b>	
LCD-display with back light and 5 control buttons	Possibility to set following functions using LCD-menu & control buttons: - Cosine angle correction in KPH or MPH - Speed limit (when exceeded module will flash speed digits few times) - Minimum & Maximum speeds shown by display - Time in seconds that each speed is displayed. - Date and time
<b>DATA COLLECTION (OPTION)</b>	
Data collection:	Millions of samples with dates and times.
Accuracy:	Speed is stored in full kilometres or miles per hour
Data transfer	Secure Digital (SD) card
Directionality	Both directions, System will relay only approaching targets to speed digits
Options:	Data transfer over GSM / GPRS-data with automatic date & time update

**Viatronics Corp.**  
**Merikotkantie 10 LH1, 67200 Kokkola, Finland**  
**Tel: +358 207 528 570 • Fax: +358 207 528 579**  
**info@viatronics.eu • www.viatronics.eu**