

# VIASITE 30 PRO

"WHEN ONLY THE BEST IS GOOD ENOUGH"



VIATRONICS



ViaSite Pro Speed Display 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

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.



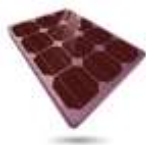
## VIAMODULE

**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 can also be equipped with an optional 36 Ah rechargeable battery pack for "Street Light" power or solar panels.



## SOLAR PANEL

System can also be equipped with an optional 60-140W solar panels for off the grid operations.

## "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 53 cm x L 53 cm x W 18 cm / 11-12 Kg
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 / 120W
Nominal power / Battery (Option):	12V / 18 - 36Ah
Power consumption	0,23 A (2,8 W) Minimum / 5 A (61 W) Maximum
<b>MICROWAVE SPESIFICATIONS</b>	
Frequency: (without data collection)	10.525+.1 GHz (X-Band)
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

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