



viasis | **vi**atext | **vi**acount | **vi**aspeedcam

via traffic controlling

Innovative radar- and traffic engineering

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via traffic controlling:

via traffic controlling is a specialist for innovative radar- and traffic engineering. As the first German company, we have been developing radar activated speed displays „viasis“ (sis = speed information system) for more than 25 years. Our displays are an important device for road safety education and are well integrated in many European cities and communities.

More than 30 high qualified employees work continuously on the further development of our products. These are, beside our speed displays, radar detectors, traffic counters and LED displays for various fields of application in road traffic. This is done in co-operation with leading experts of traffic engineering and in using the latest technical developments.

For many years, our customers benefit from our flexibility, product quality and innovative strength. In order to meet these requirements in the future, we have moved our production- and development facility in 2013 to a new attractive production location in „neue Bahnstadt“ Leverkusen.

Our production- and development facility meets the highest technological standards. It lays the foundation to meet the growing demand of road traffic in the years to come.



Products:

viasis:

We provide the right speed display for all fields of application. Combining the high development skills of our engineers and monitoring the market requirements helped us to optimize and improve our well known product family „viasis“.

The individually and controllable additional displayed information such as valid speed limit, happy and sad face (Smiley) create new opportunities of communication with traffic participants.

The attention and information value of the display is thus further increased!

viatext:

This new display enables our customer to communicate with traffic participants through individually designed text messages. Luminous LEDs ensure a high level of attention. Our electronic ensures very low power consumption, which helps in particular with the mobility of the viatext.

viaspeedcam:

The new viaspeedcam is your mobile tool for speed enforcement on your factory premises. Exceeding the speed limit will trigger the recording of an image sequence. The stored images contain time and speed information. These records can be retrieved over the factory network or directly by e-mail to the health and safety officer or security at the front gate. The viaspeedcam can be coupled to a viasis radar speed display or used independently with its own radar detector and battery power.

viacount:

Our viacount traffic counter is an ideal tool for a professional traffic analysis. Easy handling is combined with a perfect and significant evaluation of measurement results. Based on this, you have created a solid foundation, which will enable you to make a decision if steps of traffic education or traffic controlling have to be taken.

viacloud:

With our new web based tool you can not only configure your speed displays or traffic counters, you also can securely read and graphically analyse collected measurement data online. This gives you access to your data anytime and anywhere. The via traffic products can be located by GPS, and remotely managed and maintained by the user or service technician.

viagraph:

Our well-proven Windows® communication- and evaluation software viagraph has been completely revised. A self-explanatory operational user interface simplifies processing your measured data. With a few mouse clicks you will be able to create an extensive and professional analysis.

viaapp:

The viaApp enables you to make changes via an Android Smartphone (Tablet) to your settings and allows you to collect your data. Many of our devices can be operated on-site per Bluetooth via Smartphone (Tablet).



Dimensions: 56 x 41 x 19 cm / 22" x 16,1" x 7,5" (W x H x D)



viasis **BASIC**



The light aluminum casing and its robust carrying handle makes transportation and installation a breeze. Viasis BASIC is ideal for a mobile use within city limits. No data storage or settings.

Technical specifications:

- Lightweight and compact aluminum casing
- 2-digit high performance LED display with automatic adaption of brightness (digit height 23 cm / 9")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Battery level indicator



Sample for a viasis speed display in operation.



Dimensions: 56 x 41 x 19 cm / 22" x 16,1" x 7,5" (W x H x D)

viasis BASIC-D



2-digit LED display



Lightweight casing



LED color change



Data storage

The light aluminum casing and its robust carrying handle makes transportation and installation a breeze. Viasis BASIC-D is ideal for a mobile use within city limits. Data storage and color change (yellow / red) if the speed limit is exceeded.

Technical specifications:

- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display
- LED color change if speed limit is exceeded
- Data storage in a ring buffer (exact to the minute)
- Battery level indicator
- Bluetooth (optionally)
- Lightweight and compact aluminum casing
- 2-digit high performance LED display with automatic adaption of brightness (digit height 23 cm / 9")
- Specially designed protection mask for excellent visibility even under strong sunlight



Sample for a viasis speed display in operation.



Dimensions: 63,4 x 78,6 x 18,2 cm / 25" x 30,9" x 7,2" (W x H x D)
with folded front screen 63,4 x 48,2 x 18,2 cm / 25" x 19" x 7,2"



viasisMINI



Stealth mode



Smile function



Speed limit function



LED color change



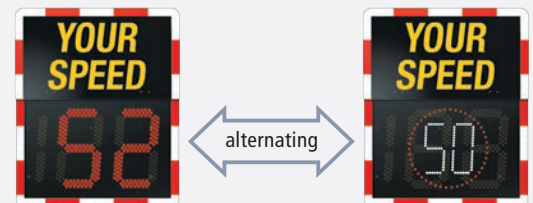
Data storage

The new viasis MINI combines innovative technology with established suitability for everyday use. The fold-away front screen protects the display during transportation and enables a stealth mode speed measurement. Integrated speed limit function gives the opportunity to compare between driven and the legal speed. With data storage, LED color change and smile function.

Technical specifications:

- Speed limit function if speed limit is exceeded
 - Shows the speed limit sign
 - Alternating between driven speed and speed limit sign
- Smile function
- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display, speed limit and smile function
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change if speed limit is exceeded
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Battery level indicator
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- 3-digit high performance LED display with automatic adaption of brightness (digit height 32,5 cm / 12,8")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Extended speed range 1 - 199 kmh / mph and decimal point 1,0 - 19,9 kmh / mph
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)

Details:



Continuously adjustable speed limit function from 1 bis 99 if speed limit is exceeded.



Smile function



Speed ok



Attention

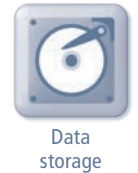
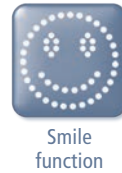


Fold-away front screen for easy transportation and Stealth mode.



Dimensions: 63,4 x 54,4 x 18,2 cm / 25" x 21,4" x 7,2" (W x H x D)

via sis COMPACT 3000

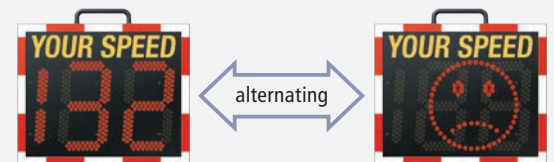


The large and robust display is visible at long distance. Integrated speed limit function gives the opportunity to compare between driven and the legal speed. With data storage, LED color change and smile function.

Technical specifications:

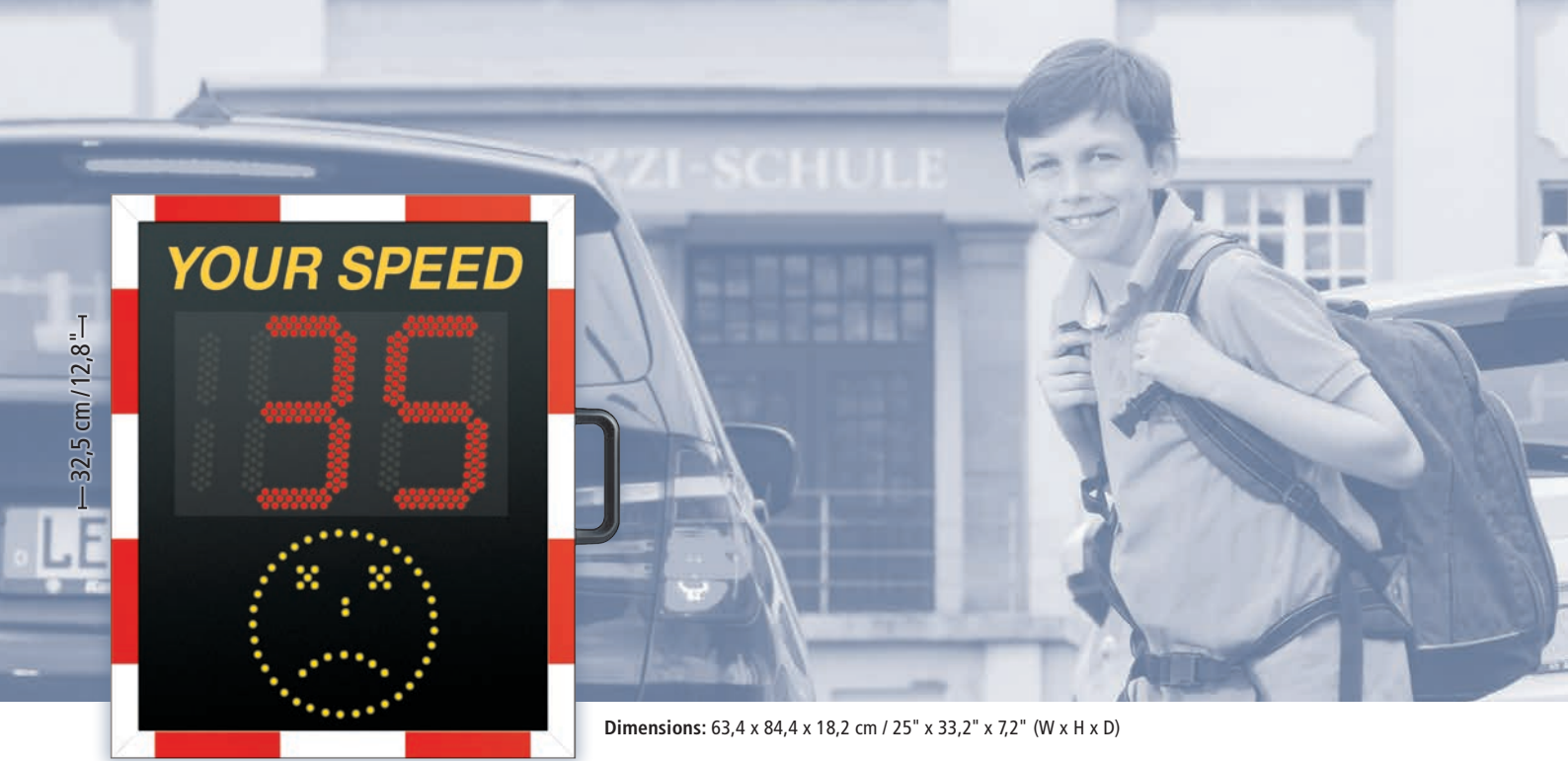
- Speed limit function if speed limit is exceeded
 - Shows the speed limit sign
 - Alternating between driven speed and speed limit sign
- Smile function
- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display, speed limit and smile function
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change if speed limit is exceeded
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Battery level indicator
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- 3-digit high performance LED display with automatic adaption of brightness (digit height 32,5 cm / 12,8")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Extended speed range 1 - 199 kmh / mph and decimal point 1,0 - 19,9 kmh / mph
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)

Details:



Continuously adjustable speed limit function from 1 bis 99 if speed limit is exceeded.





Dimensions: 63,4 x 84,4 x 18,2 cm / 25" x 33,2" x 7,2" (W x H x D)

via sis PLUS SMILE



Smile function



Speed limit function



LED color change



Data storage

Secures you with a smile*. The LED graphics ☺/☹ give all traffic an additional feedback on driver behavior. With speed limit function, data storage and LED color change.

*If you do not exceed the speed limit

Technical specifications:

- Speed limit function if speed limit is exceeded
 - Shows the speed limit sign
 - Alternating between driven speed and speed limit sign
- Smile function
- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display, speed limit and smile function
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change if speed limit is exceeded
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Battery level indicator
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- 3-digit high performance LED display with automatic adaption of brightness (digit height 32,5 cm / 12,8")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Extended speed range 1 - 199 kmh / mph and decimal point 1,0 - 19,9 kmh / mph
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)

Details:



Continuously adjustable speed limit function from 1 bis 99 if speed limit is exceeded.



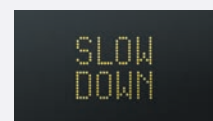
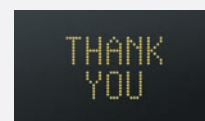
Smile function



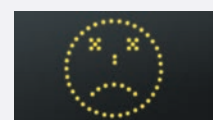
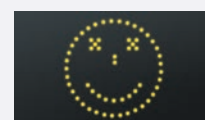
Speed ok



Attention



LED graphics underneath the speed display.

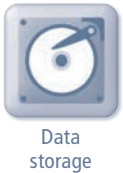
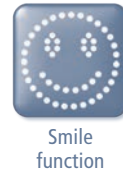


— 32,5 cm / 12,8" —



Dimensions: 63,4 x 84,4 x 18,2 cm / 25" x 33,2" x 7,2" (W x H x D)

viasis**PLUS**



The viasis PLUS allows you to set up your own LED texts and graphics. Thanks to the provided LED editor easily changeable at the site.

- For Example:
- up to 25km/h „THANK YOU“
 - 25 - 30km/h „CAUTION CHILDREN“
 - 30 - 40km/h „SCHOOL ZONE“
 - over 40km/h „TOO FAST“ (blinking)

With data storage, LED color change, speed limit and smile function.

Technical specifications:

- Speed limit function if speed limit is exceeded
 - Shows the speed limit sign
 - Alternating between driven speed and speed limit sign
- Smile function
- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display, speed limit and smile function
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change if speed limit is exceeded
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Battery level indicator
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- 3-digit high performance LED display with automatic adaption of brightness (digit height 32,5 cm / 12,8")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Extended speed range 1 - 199 kmh / mph and decimal point 1,0 - 19,9 kmh / mph
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)

Details:



Continuously adjustable speed limit function from 1 bis 99 if speed limit is exceeded.

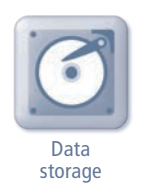


Create your own LED texts and graphics with the LED editor.



Dimension: 63,4 x 54,4 x 18,2 cm / 25" x 21,4" x 7,2" (W x H x D)

viasisVARIO



The full matrix radar speed display viasis VARIO can be completely customized to suit your needs. It is able to alert drivers to their current speed and to show pre programmed text messages or graphics. You can use provided templates or easily create your own messages or graphics.

Technical specifications:

- Shows the driven speed, a speed related message/graphic or the driven speed alternating with a message/graphic
- Adjustable parameters for min. and max. displayed speed, LED color change, blinking display, text messages and graphics
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change if speed limit is exceeded
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Battery level indicator
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- Full matrix high performance LED display with automatic adaption of brightness (31,5 cm / 12,4")
- Specially designed protection mask for excellent visibility even under strong sunlight
- Extended speed range 1 - 199 kmh / mph and decimal point 1,0 - 19,9 kmh / mph
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual Parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)

Details:

Sample messages and graphics:



Available LED color combinations: amber-red / white-red / green-red.



Dimension: 63,4 x 54,4 x 18,2 cm / 25" x 21,4" x 7,2" (W x H x D)

viatext



LED editor



LED color change



Stealth mode



Data storage

Radar activated LED display with vehicle data storage and interchangeable screens. Create your own LED text with the LED editor and design the screen with individual pictures.

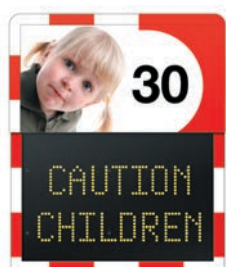
- 4 adjustable speed related text messages
 - 8 – 25 km/h: **THANK YOU!**
 - 25 – 30 km/h: **SCHOOL AHEAD!**
 - 30 – 40 km/h: **TOO FAST!**
 - 40 – 50 km/h: **SLOW DOWN!**
- Different parameter settings depending on time and day (5 parameter sets)
- LED color change green/red (yellow/red)
- Timer and automatic daylight saving time
- Data storage in a ring buffer (exact to the second)
- Bidirectional measurement adjustable
- Bluetooth communication with viagraph 5 (PC) or App (Android)
- Lightweight and compact aluminum casing
- Specially designed protection mask for excellent visibility even under strong sunlight
- USB interface for data download, changing parameters or firmware update by USB flash drive (optionally)
- Manual parameter setting by rotary switch (optionally)
- Data transfer by modem + GPS location (optionally)



Design fold-away screen with individual pictures!



Create your own LED texts with the LED editor!



Fold-away screen with individual pictures.



Different pictures and casings available:



Picture on front screen.



Big casing with picture.



viaspeedcam



Video surveillance



USB flash drive compatible



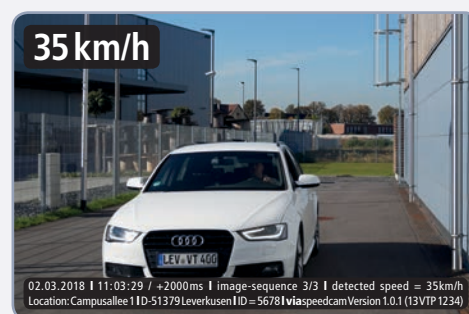
E-Mail communication



Data storage

The new viaspeedcam is your mobile tool for speed enforcement on your factory premises. Exceeding the speed limit will trigger the recording of an image sequence. The stored images contain time and speed information. These records can be retrieved over the factory network or directly by e-mail to the health and safety officer or security at the front gate. The viaspeedcam can be coupled to a viasis radar speed display or used independently with its own radar detector and battery power.

Technical specifications:



The image sequence shown above, illustrates how the speed violation on your premises can be identified and documented. The viaspeedcam is not generally recording image data, only speeding cars, trucks or fork lifters are logged in the internal memory. The logged data set consists mainly of: a speed value, the location, a time stamp and images of the speeding vehicle.



Control panel inside the battery box.



Due to the 12V battery power supply viaspeedcam is a mobile device which offers several interfaces (USB, Bluetooth, Wi-Fi, LAN, HSDPA) to download or transfer the collected data. The control panel (see fig.) allows the user to change parameter settings on site.



Dimension and weight: 37 x 26 x 23 cm / 14,6" x 10,2" x 9,1" (W x H x D), approx. 3 kg / 6,6 lbs
The radar detector and the battery are behind the front lids.

viacount II



Lightweight casing



Stealth mode



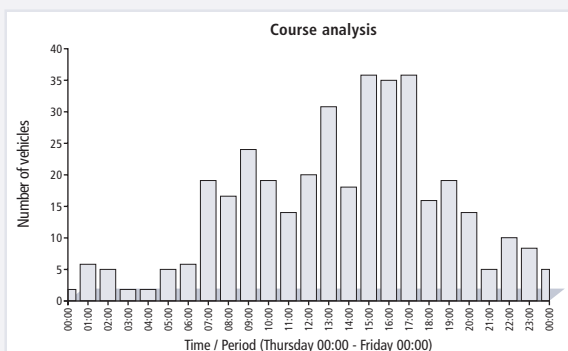
Data storage

The compact traffic counter viacount II is easy to install in all locations. Because of the small, light and solid casing it is very flexible and mobile. The long operating time enables measurements in both directions for more than 2 weeks.

Technical specifications:

- Exact collection of single data: Speed, number of vehicles, vehicle classification, direction and distance in seconds
- 10 speed classes, 6 vehicle classes possible
- Measurement range from 1 – 255 km/h (1-159 mph)
- Adjustable for approaching vehicles, leaving vehicles or both directions
- Data storage of 360.000 vehicles (4 MB), extensible to 8 MB
- Data interface for a swift data transfer
- Communication and evaluation software viagraph for up to 20 different charts
- Mounting height possible between 0,5 and 3,20 m
- Integrated Doppler radar (24.165 GHz / 100mw EIRP)
- Measurement possible in two directions
- Long operating time (more than 2 weeks with only one battery)
- Small, light and solid casing
- High mobility
- Bluetooth communication (optionally)
- Automatic data transfer by email + GPS location (optionally)

Details:



Location: Campusallee 1, Leverkusen
 Starter time: Sunday, 14.02.2016, 15:00 h
 Operator: G. Brandtner
 Finishing time: Monday, 15.02.2016, 00:00 h

Frequency analysis - all vehicles

Speeds						Total
< 10	71	10	0	1	0	82
< 20	152	123	7	7	4	293
< 30	222	775	44	59	22	1122
< 40	671	5107	201	359	107	6445
< 50	735	19624	555	597	108	21619
< 60	177	8139	213	95	9	8633
< 70	19	989	19	4	0	1031
< 80	7	110	4	0	0	121
< 90	1	16	0	0	0	17
< 100	0	3	0	0	0	3
Sum	2055	34896	1043	1122	250	39366

Location: Campusallee 1, Leverkusen
 Starter time: Sunday, 14.02.2016, 15:00 h
 Operator: G. Brandtner
 Finishing time: Monday, 15.02.2016, 00:00 h

Remote data transmission and remote control:



Online access



Online data evaluation



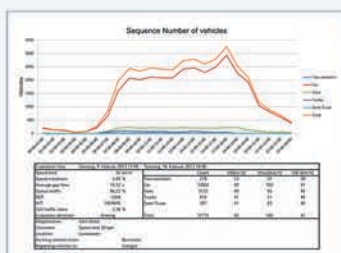
Remote maintenance

Make your viasis radar speed displays and viacount traffic counter smarter with the new web based viacloud. An optional modem will make your via traffic device a part of the viacloud.

Worldwide secured online access to your via traffic devices around the clock:

- overview map of all device locations
- configuration in a matter of seconds
- real-time data transfer
- automatic data storage on our server
- access to historic data

- web based data evaluation and analysis
- indication of additional information like battery voltage, GPS location etc.
- management of measurement points
- firmware update / remote maintenance



viagraph evaluation



viacount II

Location



Remote data transmission and remote control



viasis speed displays

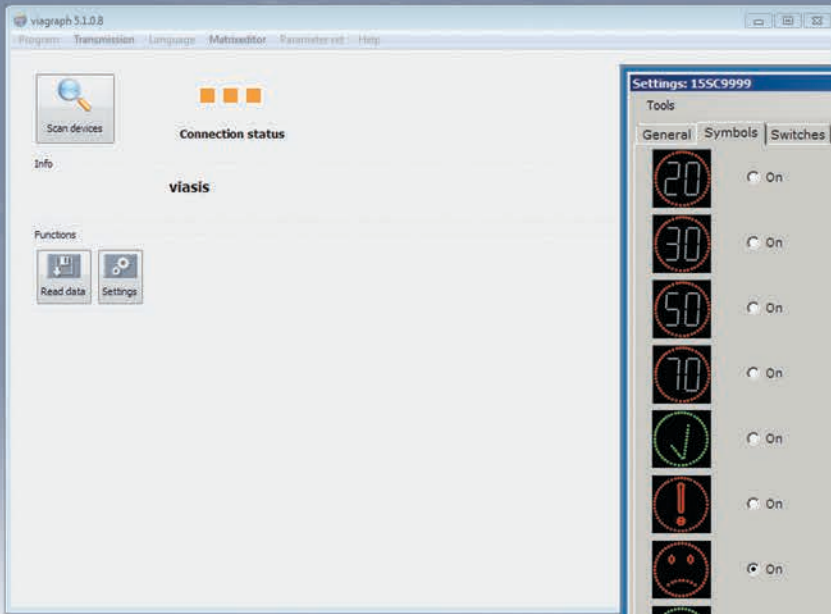


Smartphone

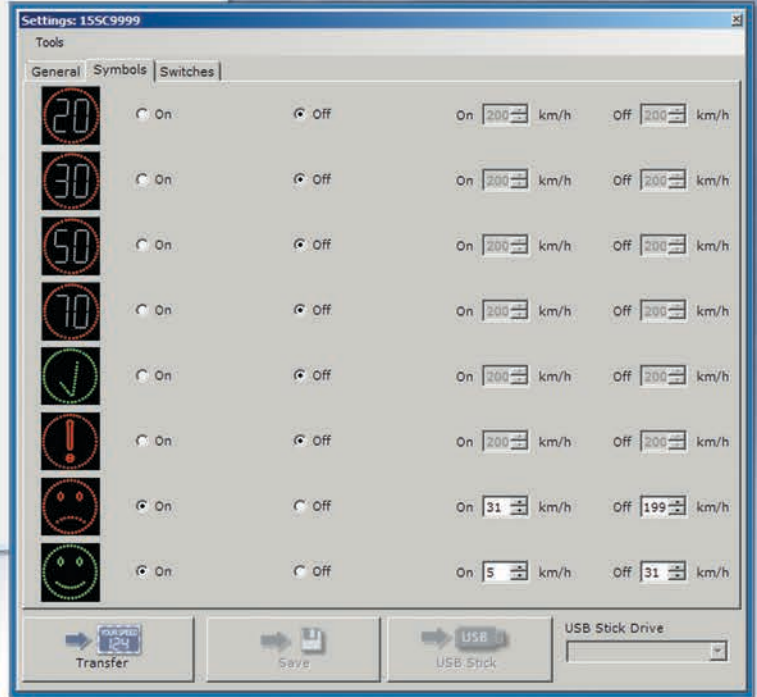


PC or Tablet

Programming and data transfer:



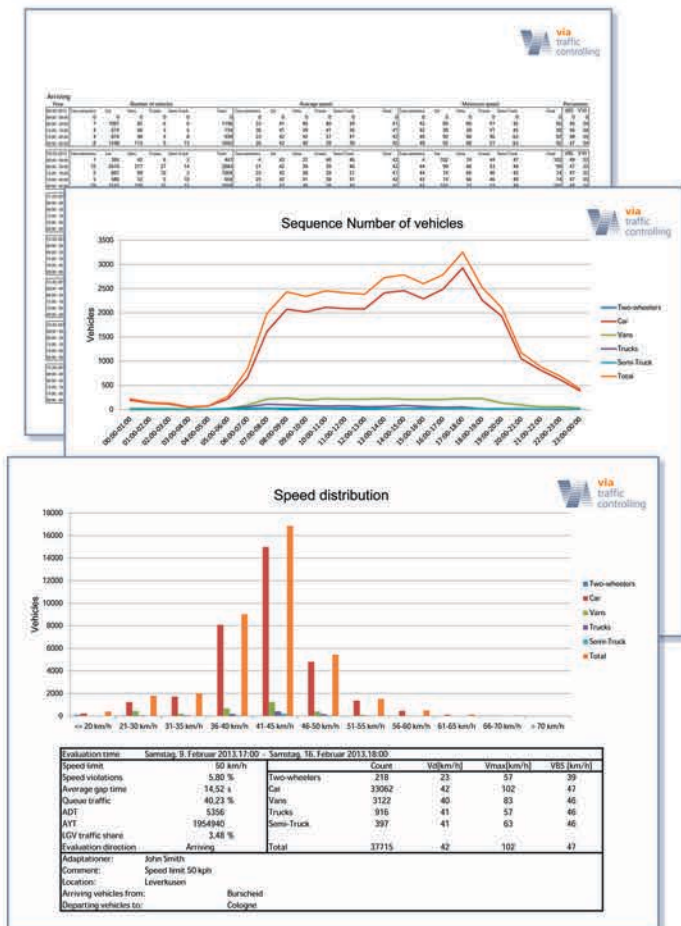
Easy link connection for data download.



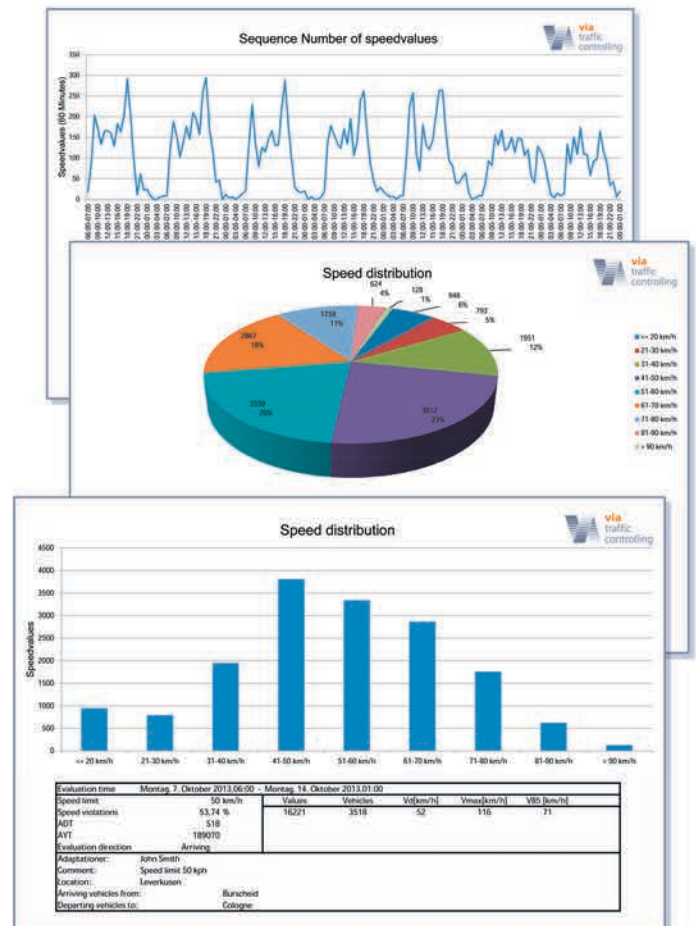
User friendly programming of the LED signs.



Viagraph is a Windows® based communication and evaluation software we provide to our customers free of charge for an unlimited number of PC. In addition to the user friendly programming of our devices viagraph offers an extensive data evaluation and easy installation. Another benefit are regular free of charge software updates by download.



Sample evaluation of a viacount traffic counter.

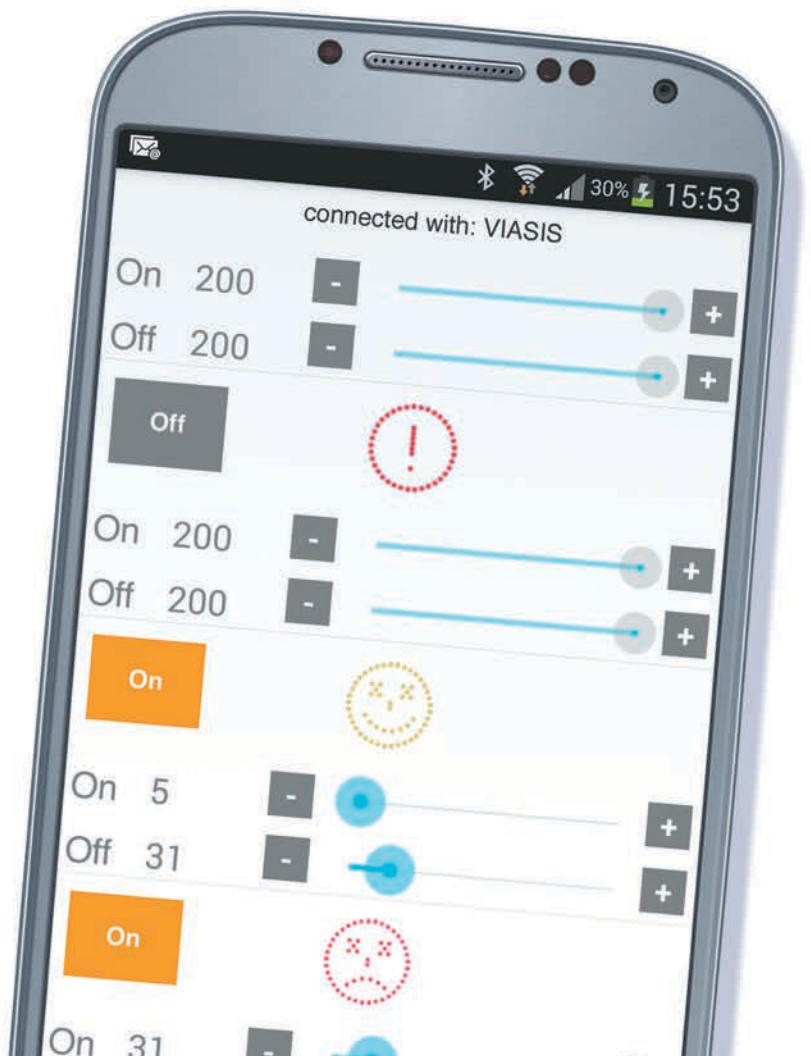


Sample evaluation of a viasis speed display.



viaapp... The via app enables mobility!

You wish to make on-site changes to your viasis MINI, COMPACT 3000, PLUS SMILE or PLUS? Or you wish to read your measured data locally? No problem! Simply install the via app on your Android smartphone or tablet and connect via Bluetooth with your viasis. All settings can be easily executed via click and slide control and transferred to the viasis.



**Just install the app
and take our software
with you!**

* Exclusively available from via traffic controlling.

Accessories and options:

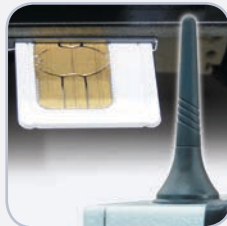
Interfaces:



Bluetooth interface



USB interface



Data transfer by email + GPS



Manual parameter setting



Relay output

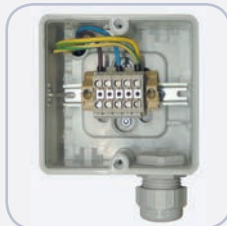
Power supply:



Battery 12V/22Ah



Battery charger



230V power supply (fixed)



230V power supply (pluggable)



Solar power supply (50W)

Mounting:



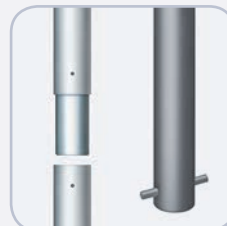
Lockable mounting kit (for poles \varnothing 40 - 160mm)



Tripod (steel)



Tripod (aluminium)



Two-part pole + ground sleeve



Mobile battery trolley

Design:



Fold-away front screen (vias MINI + viatext)



Additional text board (small)



Additional text board (large)



Integrated LED-flashlights (yellow and red)

Transport:



Flightcase (vias BASIC and BASIC-D)



Flightcase (vias MINI)



Flightcase (vias COMPACT 3000)



Flightcase (vias PLUS and PLUS SMILE)

Comparison:



viasis
BASIC



viasis
BASIC-D



viasis
MINI



viasis
COMPACT
3000

2-digit LED display	✓	✓	-	-
3-digit LED display	-	-	✓	✓
Large LED display	23 cm / 9"	23 cm / 9"	32,5 cm / 12,8"	32,5 cm / 12,8"
LED color exchange	-	✓	✓	✓
LED protection mask	✓	✓	✓	✓
Battery level indicator	✓	✓	✓	✓
Data storage	-	✓	✓	✓
Stealth mode	-	-	✓	-
Smile function	-	-	✓	✓
LED text editor	-	-	-	-
Speed limit function	-	-	✓	✓
Bidirectional measurement	-	-	✓	✓
Timer	-	-	✓	✓
USB flash drive compatible	-	-	*	*
Bluetooth communication	-	*	✓	✓
Modem	-	-	*	*
Manual parameter setting	-	-	*	*
Different parameter per time/day	-	-	✓	✓
Integrated LED flashlights	-	-	-	*

✓ Standard equipment / * optional / - not available



**viasis
PLUS SMILE**



**viasis
PLUS**



**viasis
VARIO**



viatext

-	-	-	-
✓	✓	✓	-
32,5 cm / 12,8"	32,5 cm / 12,8"	31cm / 12,2"	-
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	-
✓	✓	✓	✓
-	-	-	✓
✓	✓	✓	-
-	✓	✓	✓
✓	✓	✓	-
✓	✓	✓	✓
✓	✓	✓	✓
*	*	*	*
✓	✓	✓	✓
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