



*A Picture tells more than
1000 numbers...*

ViaSite™ Smiley Radar Display provides instant feedback to drivers when their vehicle approaches the display. If the speed is reduced below the speed limit, the display rewards the driver by changing instantly from "red & sad face" to "green & happy" face. Radar Display will also immediately turn from green to red if the speed increases above the limit. Extremely bright LED:s used in traffic lights distinguish a warning sign shaped with red LED edges guaranteeing that this display not be passed unnoticed!

IMAGES WORK BETTER THAN NUMBERS

Images are more effective than numbers in reducing speeding in critical areas. Often drivers are not aware of speed limits in the region, even if it might be a familiar area. Numeric information is not relevant enough and many displays do not indicate clearly enough when the speed limit is exceeded. Field testing shows clearly that an image catches the driver's attention better than a conventional number display. Interestingly, many drivers maintained their speed while passing the numeric speed display, but slowed down while approaching a "Smiley Face" display. It was obvious that a warning sign shaped triangularly and bright red LED:s caught drivers' attention better.

THE ONLY INSTANT FEED BACK (IFF) FUNCTION OF THE INDUSTRY

The IFF-function offers encouragement in correcting driving behavior. The speed is verified and compared to the speed limit 8 times in a second. This allows the display to react to any speed changes while the driver is still approaching the display. The display turns bright red and shows a sad face if the limit is exceeded. If the driver reduces the speed under the limit while still approaching the display, it will immediately show a green smiley face and this way awards the driver for reducing the speed. This type of an approach encourages correct traffic behavior more effectively than a conventional speed display. The display is designed in a triangle shape which is associated with warning signs – this enhances visibility and noticeability.

VERSATILE PROGRAMMING OPTIONS

The speed limit and minimum & maximum speeds are set by using a control panel equipped by a backlit LCD screen and five control buttons. The screen and the buttons are located behind a separate hatch with a lock. SD-card based data collection is located behind this same hatch. With maximum speed setting it is possible to filter out extreme speed limit violations. With minimum speed setting it is possible to filter out pedestrians and cyclists.

Viatronics Corp.

Merikotkantie 10 LH1, 67200 Kokkola, Finland

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

info@viatronics.fi • www.viatronics.fi



TECHNICAL SPESIFICATIONS

LED BOARD

Type:	Smiley face with Red and Green LED:s inside red LED triangle
Smiley Face diameter	33 cm
LED-quantity:	439 PCS 40° / Red 6000 and Green 7000 mcd with automatic brightness adjustment
Angle and brightness:	
Colour:	Green and Red
Temperature range:	-40°C - +70°C
Housing:	Oven baked black powder painted aluminium (Almg 3)
Size:	H 78 cm x L 78 cm x W 20 cm
Front class:	5 mm durable Polycarbonate class (PC) with antireflective surface

RADAR SPESIFICATIONS

Frequency:	24.125+.1 GHz (K-Band)
Beam width:	12° Horizontal
Output Power (EIRP):	<20dBm
Microwave Source:	DRO or PHEMT
Antenna Type & Polarization:	Planar Array & Linear
Receiver Type	Dual Channel Low-Noise
Environmental:	-30°C to +65°C
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 1 mph (1 km/h)
Adjustable Sensitivity Levels:	5 different settings
Signal processing:	Digital

TRAFFIC DATA COLLECTION (OPTION)

Data collection:	SD-card based, millions of samples depending SD-card size.
Accuracy:	Speed is stored in full kilometres or miles
Data transfer	Via Secure Digital (SD) card
Directionality	Both directions, only approaching or targets going away. (Smiley Face will react only to approaching targets t)
Options:	Automated data transfer thru GSM-data connection (option) Automated date and time update over GSM network.

POWER

Nominal power:	220-240V / 12V
Power consumption (minimum)	0,23 A (2,8 W)
Power consumption (maximum):	8 A (97,8 W)

CONTROLLER FUNCTIONS

LCD-display with back light and 5 control buttons	Changing parameters by using LCD-menu & control buttons: - Cosine angle correction in KPH or MPH - Speed limit (when exceeded, smiley facet turns sad & red - Minimum & Maximum speeds to which display will react - Displaying time in seconds
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