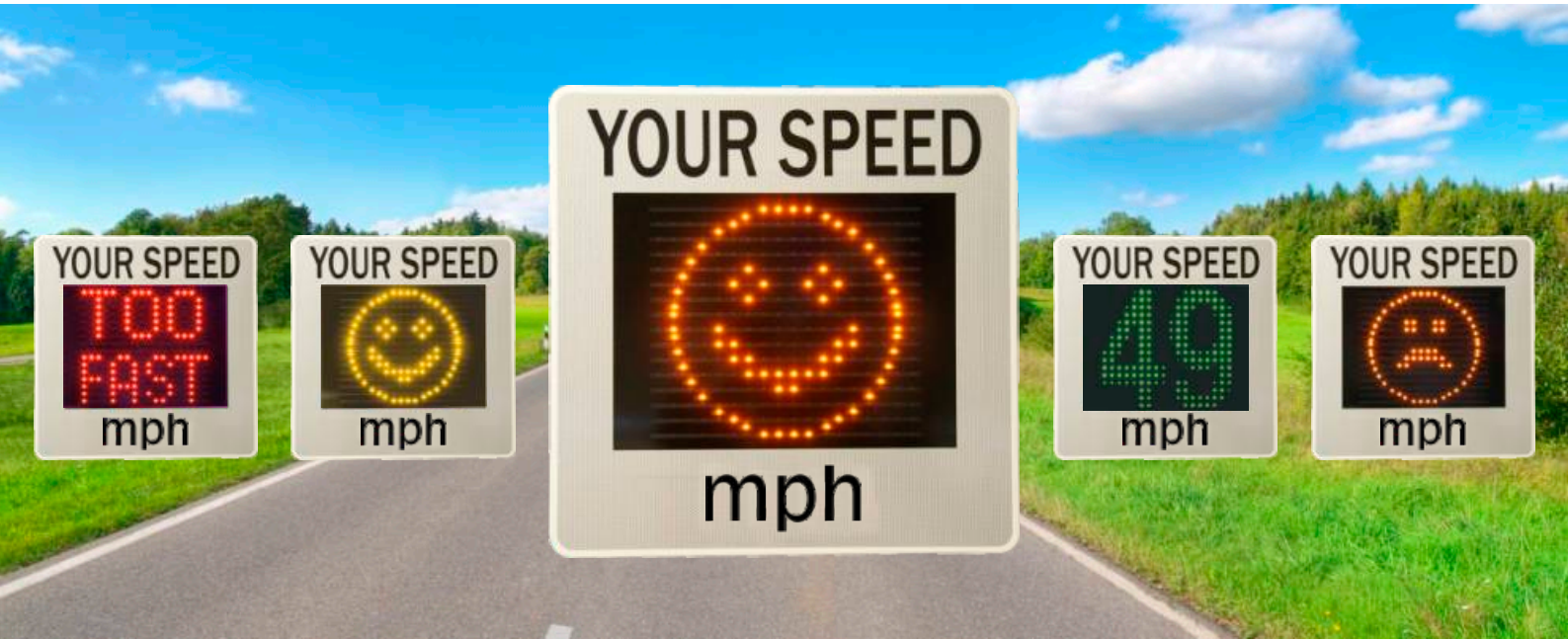


Speed Display GR33L/CL



SPEED DISPLAYS TRAFFIC DETECTION

Radar. Detection. Software.

Features

- Dot matrix display that displays speed/pictures in **YELLOW** (GR33L) and **RED, YELLOW, GREEN** (GR33CL)
- Flashes if speed threshold is exceeded
- Individual bitmaps can be uploaded such as text messages, smiling/frowning faces, speed limits, logos or any other symbols
- Adjustable minimum/maximum speed threshold
- Storing of more than 200,000 speed data (GR33CL)
- Time controlled activation
- Automatic brightness regulation
- High contrast due to unique display construction
- Robust Lexan front window with anti-glare coating
- Bluetooth for display configuration
- Measurement of the supply voltage
- Deep discharge protection for batteries
- Low weight - only 9 lbs!
- Easy one man installation
- User friendly control software for Android and Windows
- **Unique value for money**

Highlights

It is a fact that radar-driven speed displays slow down traffic permanently.

This positive effect can be attributed to the display's ability to alert drivers with responsive messages wherever the device is deployed (school zones, Kindergarten, zebra crossings or on busy roads in residential areas).

The GR33L/GR33CL are dot-matrix displays that are able to show speeds driven as well as individual bitmaps which is an additional benefit to common speed displays.

Both speed displays offer speed and time triggered bitmaps (such as smileys) and short text messages. So the unit is able to show different pictures during school time and the rest of the day.

All these features are put into a compact and extremely smart enclosure.



Android is a trademark of Google Inc., Windows is a trademark of Microsoft Inc.
Bluetooth is a trademark of Bluetooth SIG

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detects traffic!
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Electrical Data

Input Voltage	12V
Power Consumption:	Low Power Design!
Standby (Radar on, LEDs o?)	< 0,1W (!)
Display Active (speed value)	< 1W
Peak (all LEDs active)	4W

Radar sensor

Operating Frequency	K-Band (24 GHz)
Transmitting Power	5 mW
Certification	FCC, IC, CE approved
Operating Speed	2 ... 199 km/h or 2 .. 150 mph
Detection Range	min. 328 ft, typ. 656 ft Truck typ. 984 ft
Accuracy	± 3 %

LEDs

Brand	High-Performance Osram LEDs „Black Series“
Colour	yellow (GR33L) red/green (GR33CL) and mixed colours
Life Span	Long Lifetime and Reliability
Main Radiation Angle	30° Lense
Viewing Angle	> 120°

Display

Resolution	16x18 Pixel + Ring
Pixel Grid	0,79"
Digit Size	12"
Reading Distance	approx. 490 ft
Readability	Unique Contrast due to Special Design
Update Rate	approx. 1 sec, adjustable
Brightness Regulation	Automatically
Bitmap Memory	250 Pictures

Mechanical Data

Dimensions	24,4" x 24,4" x 1,6"
Weight	approx. 9 lbs
Enclosure	ASA Plastics
Front Plate Sheeting	Highly Reflective, White
Protection Degree	IP67
Front Window	Lexan, Anti-Glare Coating
Ambient Temperature	-13 to 140°F

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Scope of Delivery

- Speed Display GR33L/CL
- Software: BT-Comm/GRS
- Pole Brackets (2,4" or 3")
- Power supply Cable 12V
- Optional: Variable Pole Clamps
- Optional: Batteries and Solar Power Supply



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Sierzega is TÜV Austria EN ISO 9001 certified. The company develops, produces and delivers high-performance radar systems like radar controlled LED displays and traffic detection systems.

