# Speed Display  GR48 SL · CL · FCL

ASA plastics enclosure

**SIERZEGA**
detects traffic!
www.sierzega.com

YOUR SPEED
**50**

✓ Speed
✓ Smiley
✓ Text

YOUR SPEED **66**
YOUR SPEED **45**
YOUR SPEED

REMOTE CONTROL NOW BUILT IN

## Highlights

· Sierzega is proud to present its new series of Speed Displays - the **GR48** model.

· The new GR48 is a dot-matrix display that is showing **speeds** and **smiley/frowning faces** as well as **text messages** to make drivers aware of their speed and forces them to react to it.

· As a new feature the GR48 is already equipped with **remote data access** for controlling the display from everywhere (no additional hardware neccessary). Besides, the device can still be configured over **Bluetooth.** The internal GPS clock offers **local time adjustment** and **date setting** in the background.

## Colour Options

**GR48SL**
Amber LEDs

**GR48CL**
Multi-Colour LEDs

**GR48FCL**
Full-Colour LEDs

## Features

| | | |
|---|---|---|
| 5kg | Bluetooth | Speed, Smiley Text |
| <1W | Brightness Regulation | Analysis Software |
| IP67 | App | Cloud (4G) |
| Data Collection | Multi-target Radar | GPS |

# Electrical Data

| | |
|---|---|
| **Input Voltage** | 12V |
| **Power Consumption** | Low Power Design! |
| **Standby (Radar on, LEDs off)** | < 0,1W (!) |
| **Display active (speed value)** | < 1W |
| **Peak (all LEDs active)** | 4W |

# Radar Sensor

| | |
|---|---|
| **Operating Frequency** | Multi-target Radar K-Band (24 GHz) |
| **Transmitting Power** | 5 mW |
| **Certification** | FCC, IC, CE approved |
| **Operating Speed** | 2 ... 255 km/h or 2 .. 200 mph |
| **Detection Range** | min. 100 m, avg. 200 m Truck avg. 300 m |
| **Accuracy** | ± 3 % |

# LEDs

| | |
|---|---|
| **Brand** | Osram LEDs Black Series |
| **Color** | Yellow 590 nm Red, Green, mixed yellow |
| **Life Span** | Long Lifetime, Reliability |
| **Radiation/Viewing Angle** | 30° Lense, > 120° |

# Display

| | |
|---|---|
| **Pixel Grid** | 9.7 mm (GR48SL) 19.4 mm (GR48CL/FCL) |
| **Digit Size** | 45 cm |
| **Reading Distance** | approx. 150 m |
| **Readability** | Unique contrast due to Special Design |
| **Update Rate** | approx. 1 sec, adjustable |
| **Brightness Regulation** | Automatically |
| **Data Collection** | up to 1,6 Mio records |

# Mechanical Data

| | |
|---|---|
| **Dimensions** | 66 x 74 x 4 cm |
| **Weight** | 5 kg |
| **Enclosure** | ASA Plastics |
| **Front Plate Sheeting** | Highly Reflective, White |
| **Protection Degree** | IP67 |
| **Front Window** | Lexan, Anti-Glare Coating |
| **Ambient Temperature** | -25°C to 60°C |

# Scope of Delivery

- Speed Display GR48
- Software: GRS online/Android App
- Pole Brackets (60 or 76 mm)
- Power supply Cable 12V
- Optional: Variable Pole Clamps
- Optional: Batteries and Solar Power Supply

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.