LED MOBILE VARIABLE MESSAGE SIGNS

Technical Details

Light source	high-power LEDs from renowned manufacturers
Housing	modular design principle in seawater-proof, powder-coated profiles made of aluminum $AlMg_3$
Protection class	P1, P2, P3, to IP 65
Temperature classes	T1 (-15°C to +60°C) / T2 (-25°C to +55°C) / T3 (-40°C to +40°C)
Humidity range	20 – 95% rel. humidity
Functionality	■ static, dynamic contents, animations up to 20 frames/second ■ automatic or manual brightness control ■ single LED error detection ■ in-matrix or external flashers ■ lifting/lowering control ■ GPS localization
Interfaces	RS485/RS422, USB, Ethernet IP, WLAN, CAN, GPRS others on request
Mounting options	■ trailer mounted ■ truck mounted ■ rooftop mounted ■ vehicle integrated ■ other constructions on request
Control	local: PDA (touchscreen), 7 segment or LCD keyboard (cable or wireless connection) remote: integration in central management systems, web interface
Optic	optical equipment fits into the matrix luminance ratio (contrast) up to 100, even at low sun position <10°
Pixel pitch	12 / 16 / 20 / 25 / 30 / 35 mm
Light distribution	highest EN12966 optical classes L3(*) R3 C2 B6 B7 on request
Power supply	12 - 48 VDC battery charger (110 / 220 VAC) optional: solar panels, wind turbine, fuel cell, diesel generator
Certification	EN 12966:2005+A1:2009 CE-certification by SGS/INTRON BASt-certified

YOUR LOCAL CONTACT:

SWARCO FUTURIT

SWARCO FUTURIT is the leading global player in LED-based signalling technology. The company specialises in traffic lights, variable message signs, street lighting and railway signals using the very latest developments in light emitting diode (LED) technology offering ecological friendliness and the advantages of low failure rate, energy-saving and a long operating life.

LED mobile variable message signs, public information displays and parking signs are products of SWARCO FUTURIT's wholly-owned Slovenian subsidiary SWARCO LEA d.o.o. in Lesce.

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IMPROVED SAFETY ON THE ROAD

As world leader in the development and production of LED based signaling SWARCO FUTURIT also offers mobile LED variable message signs. These flexible displays improve road safety by informing about road works on highways, by warning against obstacles and congestion or by signalising changes in traffic routing.

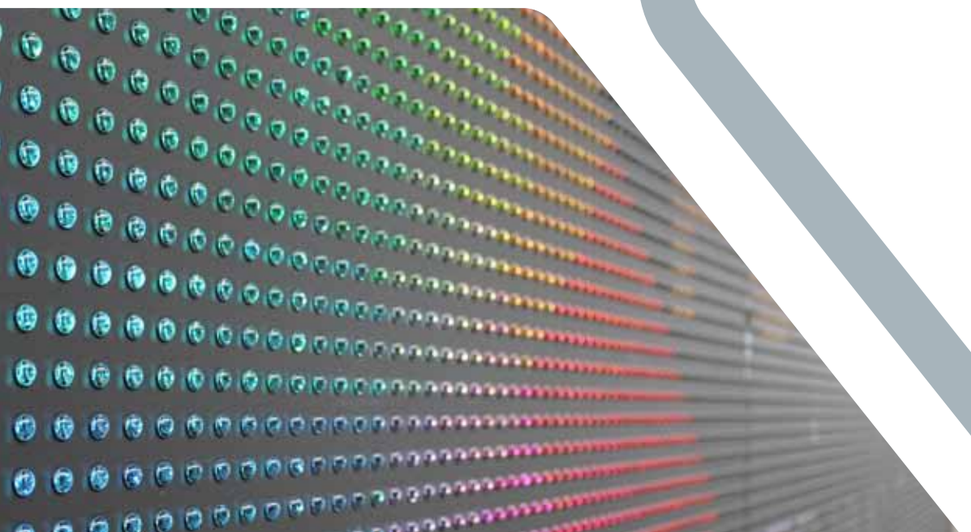
EXCELLENT QUALITY, RELIABILITY AND DURABILITY

SWARCO FUTURIT LED mobile variable message signs are certified by SGS/INTRON according to EN12966. All displays provide brilliant legibility, high energy efficiency and outstanding LED luminosity. Based on the patented mounting technology, the LED lenses are directly inserted into the matrix screen. Due to their excellent visibility, road safety is improved significantly.

SWARCO FUTURIT I LEaDing the way.

LED MOBILE VARIABLE MESSAGE SIGNS
Key Benefits

- the patented LED optical system:
  - provides highest optical performance
  - directs the LED light to where it is needed
  - allows a 90% reduction of LED forward current, maintaining all optical requirements during the whole lifecycle of the mobile variable message sign, therefore increased availability and lowest energy consumption
- conformity to EN12966: more than 100 class-combinations of different color, luminosity, contrast, beam width, pixel pitch, LEDs, forward current, etc. have been tested and certified by SGS/INTRON
- alternative power supply sources (solar panels, wind turbine, fuel cell, diesel generator)
- a wide range of pixel pitch options from 12 mm to 35 mm, fitting any application
- industry leading LED drivers with power saving features and efficient power supplies
- several local control units with user-friendly interface and complete control: PDA (touchscreen), 7 segment or LCD keyboard (cable or wireless connection)
- possibility to control the signs via central management systems
- over 16 years of experience in LED mobile variable message signs



LED MOBILE VARIABLE MESSAGE SIGNS
Application Examples

trailer mounted LED mobile variable message sign, full matrix, upper board bi-color red/yellow, lower board mono-color yellow, powered by diesel generator with PDA control unit

trailer mounted ECO LED mobile variable message sign, full matrix, full color RGB, powered by solar panels, GPRS/GPS communication

trailer mounted LED mobile variable message sign, full matrix, upper board full color RGB, lower board mono-color yellow, powered by solar panels

truck mounted LED mobile variable message sign, full matrix, upper board bi-color red/yellow, lower board mono-color yellow, powered by batteries with PDA control unit

rooftop mounted LED mobile variable message sign, full matrix, full color RGB, powered by batteries with PDA control unit

vehicle integrated LED mobile variable message sign, full matrix, mono-color, communication Interface: CAN, protocol: CANopen