



Variable Message Signs (VMS)

- Reliable, durable and flexible - variable message signs with prismatic technology
- Modern, safe and energy-saving - variable message signs with LED technology
- Improves and sustainably increases road safety
- Car park equipment for single space detection in multi-storey car parks
- Safe escort of heavy goods vehicles and transports





04 Prismatic variable message sign (PVMS)



06 LED variable message sign (LED VMS)



08 Car park equipment for single space detection in multi-storey car parks



10 Variable signal transmitter for escort vehicles



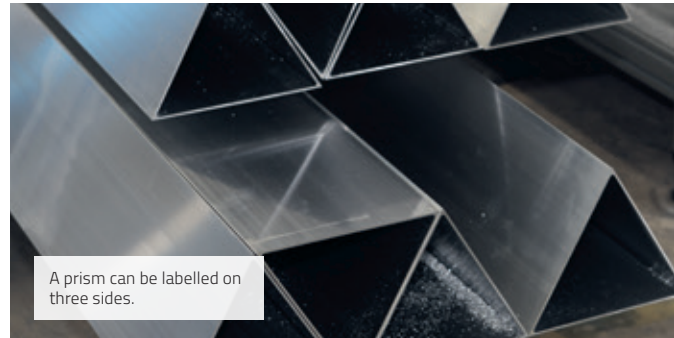
Our high level of customer orientation, fast and high-quality production processes with a high level of delivery reliability distinguish Deutsche KennzeichenTechnik GmbH with its high-performance partners. We accompany our customers from project planning and design to comprehensive construction and assembly services. Our employees reliably support you with many years of experience, transparent processes and comprehensive service.



Variable message signs with prism technology are reliable, robust and flexible solutions for traffic control.



The prisms are covered with the latest retroreflective foil.



A prism can be labelled on three sides.



Before delivery, the variable message signs are completely assembled and tested once.

Variable message signs with prism technology (PVMS)

Reliable, durable and flexible - variable message signs with prismatic technology are reliable and flexible displays for controlling the flow of traffic on motorways and rural roads quickly and effectively.

The volume of traffic on motorways and rural roads is constantly increasing. This means that the demands on road equipment are also increasing. Those responsible must react ever more quickly to changes in the environment and traffic situations and ensure a smooth flow of traffic for all road users with efficient traffic guidance systems.

Variable message signs with prism technology are an effective solution for demanding and versatile road traffic requirements. Up to three different pieces of information can be displayed on one prismatic VMS.

The long service life of the Bremicker prismatic VMS results from the combination of high-quality components.

Our prisms made of seamless drawn aluminium profiles, maintenance-free ball bearings and non-rusting drive parts ensure a flexibly

usable display surface. The speed-controlled, robust electric motor with overload protection ensures a reliable drive.

The variable message signs can withstand extreme conditions such as a temperature range of -40° to +60° C and an aggressive marine climate. This is not only valuable for traffic signs of the StVO, but also for special signs, lettering, pictograms or advertising boards. The size of the variable message sign is manufactured individually according to customer needs and requirements.

Info

The display surface can be controlled via a wired, serial or parallel control or also via various radio technologies.



Precise screw connections ensure the function.



A steel structure supports the entire sign.



All variable message signs are carefully loaded and secured.



The prism technology enables a flexible and fast response.



Prismatic and LED displays can be integrated into static signs.

Product information

Variable message signs with prism technology

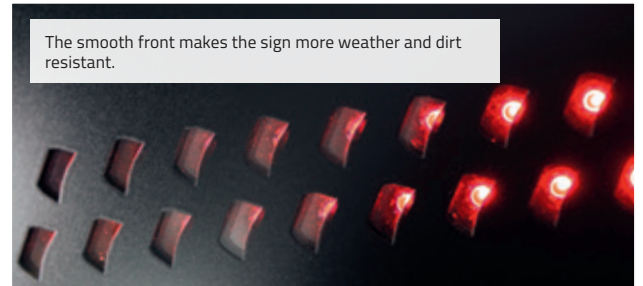
- Prismatic technology, certified according to EN 12966 and the current and the currently valid RAL quality conditions.
- Prismatic construction in vertical and horizontal design
- Prismatic technology in open and closed design
- Power supply: solar or 230V AC mains supply
- Control and feedback serial or parallel via potential-free contacts
- potential-free contacts, optionally via data or mobile radio (GSM/GPRS/UMTS)
- Optional de-icing function of the prisms possible
- Efficient, energy-saving system
- Direct image control via μ -processor PVMS control, manual operation via integrated integrated rotary coding switch and hand crank
- Image positioning without having to traverse an image position
- position (forward and backward movement/image sequence
- 1-2-3-1 and 1-3-2-1 possible)
- Speed-controlled electric motor 12 V/24 V DC with overload protection and infinitely variable speed control
- Temperature range from -40 to +60° Celsius
- Mechanical limit switches IP 67
- Non-rusting drive parts (drive elements made of stainless steel/brass) - no plastic components
- Maintenance-free ball bearings
- Housing made of extruded aluminium profiles, Side length per prism: 200 mm
- Prism exchange surfaces with reflective foil
- Horizontal C-profiles fixed to the rear of the housing



The front panel is made of printed polycarbonate.



The message is very visible in any weather.



Variable Message Sign with LED technology (LED VMS)

Modern, safe and energy-saving - variable message signs with LED technology make important displays even more visible, regardless of the time of day or weather conditions.

LED variable message signs can be used in all areas of road traffic. With the constantly increasing volume of traffic, the importance of variable message signs is growing. At Bremicker Verkehrstechnik, we specialise in the construction of LED signs in accordance with EN12966.

Traffic signs according to StVO, special warnings and prompts as well as many other areas - LED variable message signs from Bremicker can be used in all areas of road traffic. A special plus: thanks to the use of LED technology, the traffic signs are clearly visible even in dense traffic, in bad weather and at night.

Due to their nature, variable message signs in LED technology are particularly suitable for rural roads, federal roads and motorways. The products from Bremicker even exceed the values defined in EN12966. LED technology is an energy-saving way to effectively visualise traffic

signs even from a great distance. The smooth front, as used only by Bremicker Verkehrstechnik, makes the display more resistant to snowdrifts and dirt.

Modern, safe and energy-saving: the LED variable message signs from Bremicker Verkehrstechnik meet all the requirements of modern traffic management.

Info

Variable message signs with LED technology from Bremicker Verkehrstechnik are manufactured individually according to customer requirements and are suitable for a wide range of applications.



Robust aluminium housing.



Height warning systems provide more safety.

Variable message signs with LED technology type A, BC are suitable for a wide range of applications.



Information for road users is made visible in an efficient way.

i Product information

Variable message signs with LED technology

- High self-cleaning effect due to smooth front (no protruding lenses)
- Efficient, energy-saving system
- Temperature range from -40° to +60° Celsius
- Best contrast values
- Housing made of aluminium alloy (AlMg3), powder-coated to RAL colour
- Use of efficient LEDs with long service life
- Control and feedback via various interfaces according to customer requirements
- Individual networking of several signs possible via radio or cable
- Power supply via 230V AC mains supply or optionally solar power
- LED technology certified according to EN12966 and BAST
- No plugged-in lenses, thus no opening in the front panel necessary
- LED technology with failure detection
- Front panel: printed polycarbonate



Car park equipment for **Single space detection in multi-storey car parks**

A targeted, time-saving parking space search improves the service for parking space users, reduces pollutant emissions and is suitable for small, medium and large car parks due to its modular design.

In many city centres, the demand for parking space is much higher than the supply. The consequence of this is additional traffic searching for parking lots is additionally wasting time and money and leads automatically to more noise emissions and CO₂ emissions.

This is where future-oriented and modern parking solutions come into focus; They specifically influence the allocation of parking lots and thus ensure a balanced parking performance.

Nowadays, effective solutions directly influence traffic routing and planning in all major German and European cities.

i Info: MHPArena project

In the underground car park of the MHPArena, which is operated by SWLB, 15 parking spaces are equipped with a new technology. Reservations can be done via a mobile online platform (www.parken.ludwigsburg.de).

The customer receives a QR Code which opens the entrance to the underground parking during the prebooked time slot. Our sophisticated guidance systems recognizes the license plate number and guides him to the corresponding parking lot where the particular license plate number is again crosschecked. In case of a mismatch the system gives a visual and an acoustic warning.



i Product information

Car park equipment - single space detection in car parks

- Registration of all free parking spaces
- Targeted guidance of the driver to the next free parking space
- Efficient use of existing parking space capacities
- Increase in the degree of occupancy or turnover
- Exact statistical evaluation of car park occupancy

Technical data: Single-user sensor

- Equipment: Ultrasonic capsule for height measurement, voltage measurement.
- Optional: temperature and light sensor, 3rd LED colour (e.g. marking of disabled parking space)
- Operating temperature: -20°C to +70°C
- Protection class: IP 33
- Display sensor (green, red): LED Viewing angle LEDs: > 180

i Info

Additional car park equipment:

- Barrier posts
- Lane dividers
- Speed bumps
- Speed bumps
- Place signage
- Barriers and road blocks
- Road markings
- Height limiters
- traffic cones
- Style bollards
- Traffic mirrors
- Ground repair
- Chain stand
- Parking permits
- Parking space barriers
- Thermoplastic marking



Highly visible messages prevent unnecessary traffic jams.

Variable signal transmitter for escort vehicles

With the LED variable message signs for escort vehicles in the heavy-duty transport sector, you are well equipped for any transport tasks.

The LED variable message signs of class BF3/ BF3-Plus and BF4 are built for vehicles accompanying heavy goods transport. These vehicles mainly travel on the federal motorways and country roads in Germany, but must also travel in undeveloped areas (construction sites) at their destination.

BF3/BF3-Plus:

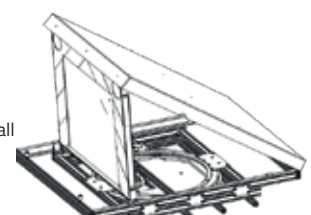
BF 3/BF3-Plus vehicles require an erection device that ensures that the sign can be raised for rear traffic. The sign always points to the rear in the direction of travel. BF3 and BF3-Plus systems differ only in the number of pictograms that can be displayed. The installation device of the two types is identical.

BF4:

BF4 vehicles have a 270° rotatable sign, can point 90° to the left as well as 90° to the right. In addition, it is possible to rotate the sign 180° against the direction of travel.

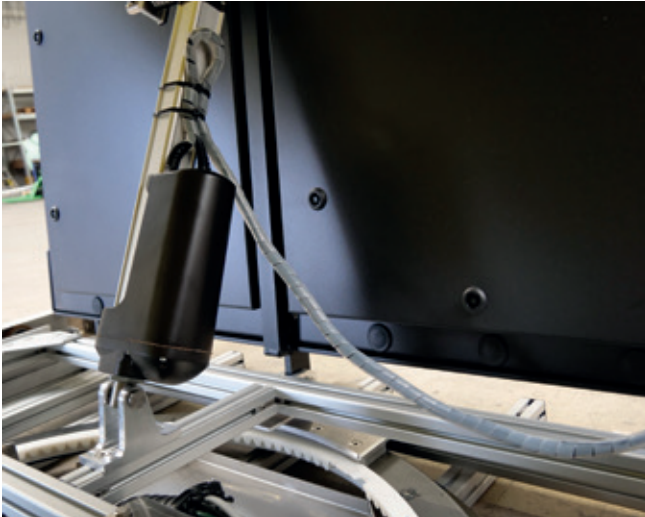
Info

The wind deflector provides a secure hold for the erected scoreboard. When folded down, all mechanical parts are covered by the wind deflector.

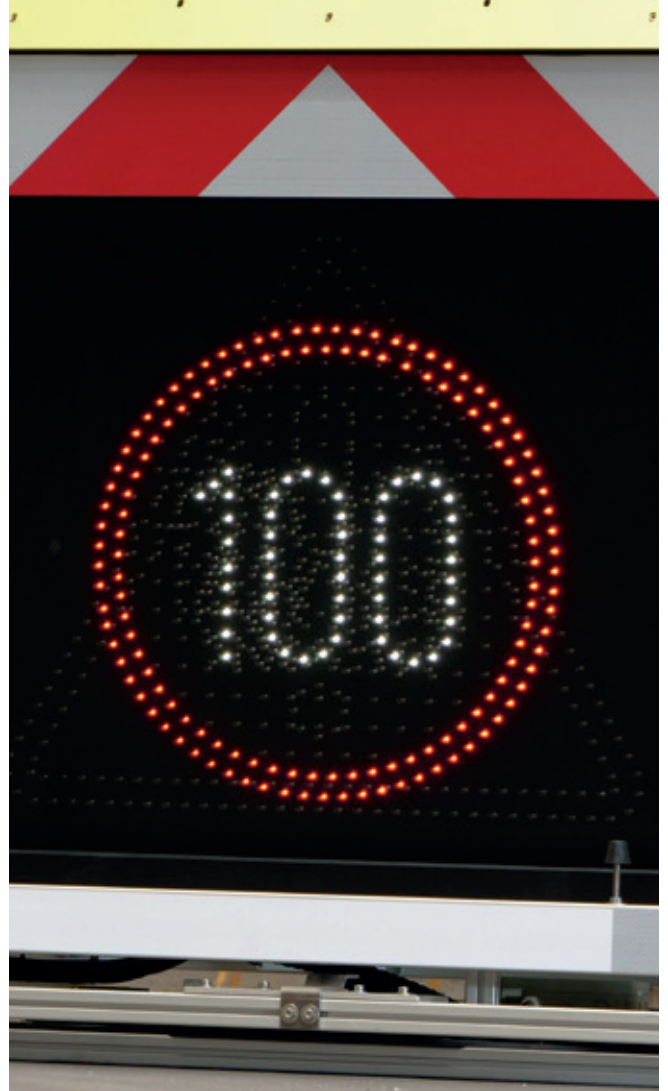




Change signal transmitter rotated 90 degrees on the escort vehicle.



The system is raised and lowered by means of a well-proven, maintenance-free slide rail system, which is driven by a high-quality, powerful and rust-free electric lifting spindle motor.



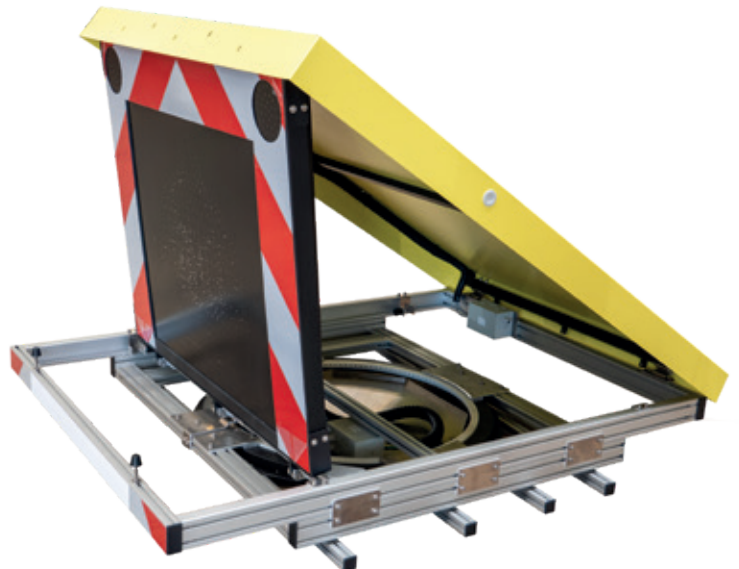
With the BF4 it is possible to display several, different traffic signs.

i Product information

LED variable signal transmitter for escort vehicles

- Housing aluminium black
- Frame structure aluminium white
- Signal plate polycarbonate, UV-resistant
- Stainless steel lifting spindle motor
- High-quality super-bright LEDs
- Brightness control (night-time dimming)
- Rear side of panel covered with red/white highly reflective foil.

The specially developed LED vehicle attachment in combination with the BAST-approved LED sign technology fulfil the requirements according to classes 3, 3+ and 4 for escort vehicles.





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