



**WE
POINT
THE WAY**

MOBILE WARNING SYSTEMS
VARIOSIGN LED SYSTEM
2023/2024



WE SECURE AND SHAPE TRAFFIC



Dear customers, partners and prospective customers,

More traffic, a larger number of job sites, increasing challenges in your daily work – we offer you advanced warning and barrier solutions from a single source. Our range covers light arrows, multifunctional warning trailers and LED advanced warning systems as well as special concepts such as Drop & Pick or our mobile crash protection system. Whatever it is you require – benefit from the advantages of one of the leading global manufacturers in mobile traffic management: reliable delivery, well-established quality, innovative features and a uniform operating concept. A further highlight: our TrafficManager software which allows you to switch and manage equipment manually or automatically via your computer, tablet or smartphone. Discover our whole product spectrum now!

JAN VOGT
Managing Director

KAI FREUND
Managing Director



ISO certified

Our quality management has been certified since 1995 according to **DIN EN ISO 9001** and our environmental management since 2014 according to **DIN EN ISO 14001**.

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A close-up photograph of metal components, likely from a vehicle, with a prominent red diagonal overlay. The metal surface shows various markings, including the letters 'MT' and 'NIPER'. The red overlay covers the left and bottom-left portions of the image, while the right and top-right portions show the original metal texture and details.

CERTIFIED SAFETY

When you choose Nissen, you are choosing products that meet the highest quality standards and the strictest guidelines. These are indicated using the following seals.



BAST

The BAST seal indicates that the product has been tested by the Federal Highway Research Institute in accordance with the applicable regulations and is therefore approved for use on German roads.



TL (RSA) geprüft

The technical delivery conditions (TL) specify the requirements for the respective products. They are the basis for the tests, e.g. through the BAST.



EN 12352

This standard defines the requirements for warning lights on a European basis.



EN 12966

All VarioSign LED traffic signs comply with the requirements set out in European Standard EN 12966. These include dimensions and structural design, colour and luminance, as well as the uniformity of the light intensity and the durability of the optical quality.



CE

The CE marking indicates the conformity of the product with the "Basic Requirements" to be met, depending on the applicable harmonization directive. It applies to the European Union and the EFTA States, with the exception of Switzerland.



TrafficManager

Products can be monitored and controlled with the Software TrafficManager. Find more information about the TrafficManager at nissen-telematics.com

First class lamps

The warning and advanced warning lamps integrated into our solutions correspond to the lamp classes defined in RSA and European standards.

Class		Light surface in cm ²	Opening angle		Luminosity	
D	EN		Horizontal	Vertical	Min. in cd	Max. in cd
WL6	L8M	> 250	+7,5° bis -7,5°	+5° bis -5°	500	1.500
WL6	L8H	> 250	+7,5° bis -7,5°	+5° bis -5°	1.500	1.500
WL5	L9M	> 700	+1,5° bis -1,5°	+1,5° bis -1,5°	2.000	8.000
WL7	L9L	> 700	+1,5° bis -1,5°	+1,5° bis -1,5°	500	2.000
WL7	L9H	> 700	+1,5° bis -1,5°	+1,5° bis -1,5°	20.000	40.000

SERIAL PRODUCTIONS

Our mobile TL warning boards and our VarioSign LED system are characterised by numerous features. Discover the advantages that will offer you real added value in your everyday work.

Mobile Warning Trailers VarioSign LED-System

Remote controls with range

Bluetooth is an industry standard for wireless data transmission between devices over short and medium distances. Compared to other standards, Bluetooth is very stable, insensitive to reflections and allows the parallel operation of several systems. This makes it possible to operate several warning trailers with one remote control. Another advantage: Bluetooth modules from Nissen have an extremely long range.

Active monitoring

A fully functioning mobile warning trailer is essential to safety. This is particularly valid for the correct display and full visibility of the given traffic signal. To guarantee this, the operating information is transmitted to the remote control continuously. This way the staff working in front of the system can react quickly to any problems.

Infinitely variable brightness adjustment

By law, lamps must have a sensor to automatically reduce their lighting intensity. This prevents LED traffic signs from blinding drivers in the dark. Nissen warning lamps have continuous brightness adjustment that reacts precisely to the external light conditions, even in bad weather. This technology surpasses the legal requirements and also leads to even greater energy savings.

Efficient energy management

Nissen warning lamps consume little energy, thanks to their optimal optical design. Twilight switches and automatic brightness adjustment reduce power consumption even further and increase safety. Operating hour metres help to not charge the batteries too early but rather to make optimal use of their capacity. This also extends their life. Important: For maximum battery life it is essential to use the correct charger. We would be happy to advise you.

Powerful batteries

Our systems can be optimally equipped with lead gel batteries. They are easy to transport and will not leak, even in a tilted position. They also retain their high capacity for longer and are practically maintenance-free. Thanks to their longer life, gel batteries are also more environmentally friendly than the traditional lead-acid batteries.

– OUR ADVANTAGES

Variable drawbar

Thanks to the easily height-adjustable drawbars, you can transport your trailers safely to the deployment location with any vehicle. Whether it is a car, a small truck or a lorry, or if the towing equipment is high or low, the connection is always parallel to the tow bar. This ensures the optimal functioning of the brakes and steering. DIN towing eyes and spherical head couplings can be changed in an instant.

Tested quality

Nissen develops its products in accordance with CE quality standards and also with the EU Machinery Guidelines. This ensures a uniformly high level of accident prevention across Europe. We are committed to the advancing of these and other guidelines, making an important contribution to improving safety for workplaces in road traffic.

VarioSign LED-System

Optical systems

Two highly developed optical systems are used in the production of our VarioSign LED traffic signs. In the classic version with a four-colour display, there is a reflector-free front panel above the LEDs. In the case of RGB technology, on the other hand, the LEDs are behind special lenses that allow the display of characters and texts in 256 colours. Both systems have been approved and tested comprehensively.

Customisable programming

VarioSign LED traffic signs come with memory modules that contain libraries with all the official symbols. You can also display custom content, which you design with software that is available from us.

LED surface

Our traffic signs are controlled by matrix circuits. This enables the simple, flexible and free programming of the matrix across all sizes, independent of the colour display.



SAFE INSTALLATION OF WORKPLACES

Traffic areas and volume are increasing and with them the frequency of work in road traffic. We offer you high quality solutions for the management of workplaces in road traffic that conform to regulations.

Our mobile TL warning boards are characterised by their stable and maintenance-friendly structure and their high load-bearing capacities.

Mobile Warning Systems

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WE STAND FOR HIGHEST QUALITY

Nissen is the world's leading supplier of mobile traffic safety solutions. Our name stands for tried-and-tested, advanced technology like no other.

Traffic volume around the world is increasing, which makes safety systems all the more important. This is why quality plays an outstanding role, particularly when it comes to high-speed roads like motorways and expressways. Nissen manufactures barrier and warning devices to the highest standards. Everything comes from our own

production, from the steel profile frames for our trailers, to the precision-calculated lenses for our warning lamps. We assemble these in our main factory in Tönning and put them through extensive testing. In this way we can offer solutions that guarantee the safety of people and goods.



ISO certified

Our quality management has been certified since 1995 according to **DIN EN ISO 9001** and our environmental management since 2014 according to **DIN EN ISO 14001**.



Warning trailers for roads without oncoming traffic

A SERIES

Benefit from our modular and individually configurable trailers with extremely long operating times and load capacities up to 1,7 tons.

Comparison	A1	A2	A31	A41	A51
Perm. total weight	750–1300kg	1300–1500kg	1300–1800kg	2000–2500kg	3500kg
Empty weight	550–790kg	680–910kg	850–1100kg	1100–1300kg	1800–1900kg
Load capacity	200–510kg	590–820kg	450–700kg	900–1400kg	1600–1700kg
Loading area (L x W)	1360 x 1620mm	1870 x 1620mm	2500 x 1820mm	3100 x 1820mm	5400 x 1850mm
Total length	3770–4500mm	4800–5300mm	5300–5990mm	6800–7200mm	8950–9260mm
Track width	2000mm	2000mm	2200mm	2200mm	2200mm
Loading ramp	no	optional	yes	yes	yes





ROBUST MODULAR DESIGN

Welded chassis and steel frame from our own production facilities

CORROSION PROTECTION

Chassis, drawbar and frame completely galvanized

OPTIMAL CONSTRUCTION

High-grade quality components for permanently safe operation, maintenance-friendly design

STABLE WARNING TRAILER

With traffic sign 616-30 as per RSA 21 and ZTV-SA with retroreflective foil (3600 x 2200 mm); country-specific traffic signs on request

LIGHT ARROW DEVICE

With two energy-saving warning lamps as well as 25 energy-saving and individually monitored warning lamps

SIMPLE OPERATION

Change the direction of the light arrow and the directional arrow with motor revolution with the remote control; uniform operating concept

LONG SERVICE LIFE

Standard up to 80 hours daily operation – (more as an option)

MOBILE TELEMATICS

All products in this series are fully compatible with the Software TrafficManager.

Warning Trailer

A1



CHASSIS AND BODY

- Modular design, separately bolted, galvanized and interchangeable
- Galvanized, height-adjustable drawbar (AI-Ko) with holding brake
- DIN towing eye with a changeable spherical head coupling
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Height-adjustable support wheel
- Robust plastic fenders
- Battery box of plastic (1660 x 450 x 320 mm)
- Braked rubber spring axle with automatic brake adjustment
- 4 lashing points (straps) with 500 daN
- 2 fully adjustable support legs
- Handle for one-handed opening/closing of battery box

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 3600 x 2200 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps (WL5) and 25 separately monitored LED warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and emergency-off switch
- Combined manual radio-cable control for activating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 80 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery guard for protection of electronics
- Light arrow LP 8000 approved according to EMC directive

ACCESSORIES AND OPTIONS

- Cargo securing set
- Central crank supports
- Acoustic signalling device for manual control
- Control and monitoring system
- Traffic cone holder
- Spare wheel with holder
- Holder for warning threshold



Technical Data

Total length	3770 - 4500 mm
Total width	2200 mm
Track width	2000 mm
Loading area (LxW)	1360 x 1620 mm
Side boards (H)	300 mm
Total weight	750 - 1300 kg
Empty weight depending on model	550 - 790 kg
Max. load capacity	200 - 510 kg

Warning Trailer Type A1

Warning Trailer Type A1 in modular construction without light arrow combination

Ref. No.

129717-001



More information

NIS-00207

To be entered on nissen-germany.com

Warning Trailer

A2



CHASSIS AND BODY

- Modular design, separately bolted, galvanized and interchangeable
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- Battery box of plastic (1660 x 450 x 320 mm)
- Braked rubber spring axle with automatic brake adjustment
- 4 lashing points (straps) with 500 daN
- 2 fully adjustable support legs
- Handle for one-handed opening/closing of battery box

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 3600 x 2200 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps (WL5) and 25 separately monitored LED warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Motorized lifting/lowering of the top board with mechanical emergency adjustment and emergency-off switch
- Combined manual radio-cable control for activating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 80 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery guard for protection of electronics
- Light arrow LP 8000 approved according to EMC directive

ACCESSORIES AND OPTIONS

- Cargo securing set
- Central crank supports
- Acoustic signalling device for manual control
- Control and monitoring system
- Loading ramp surfaced with aluminium chequered plate
- Traffic cone holder
- Spare wheel with holder
- Holder for warning threshold



Technical Data

Total length	4800 - 5300 mm
Total width	2200 mm
Track width	2000 mm
Loading area (LxW)	1870 x 1620 mm
Side boards (H)	300 mm
Total weight	1300 - 1500 kg
Empty weight depending on model	680 - 910 kg
Max. load capacity	590 - 820 kg

Warning Trailer Type A2

Warning Trailer Type A2 in modular construction without light arrow combination

Ref. No.

129717-002



More information

NIS-00209

To be entered on nissen-germany.com

Warning Trailer

A31



CHASSIS AND BODY

- Modular design, separately bolted, galvanized and interchangeable
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading ramp surfaced with aluminium chequered plate
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- 2 battery boxes of steel with aluminium chequered plate cover (550 x 380 x 300 mm)
- Support frame for the drawbar of a loaded warning board
- Braked rubber spring axle with automatic brake adjustment
- 6 lashing points (straps) with 500 daN

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA 3600 x 2200 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps (WL5) and 25 separately monitored LED warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Combined manual radio-cable control for activating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V up to 80 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery guard for protection of electronics
- Light arrow LP 8000 approved according to EMC directive

ACCESSORIES AND OPTIONS

- Repeater of the vehicle lighting
- Cargo securing set and central crank support
- Acoustic signalling device for manual control
- Control and monitoring system and manual or electrical cable winch
- Loading aid incl. hopper opening and firm rear frame
- Traffic cones holder, spare wheel with holder, holder for warning threshold



Technical Data

Total length	5300 - 5990 mm
Total width	2400 mm
Track width	2200 mm
Loading area (LxW)	2500 x 1820 mm
Clearance width	1830 mm
Clearance height	1878 mm
Side boards (H)	300 mm
Total weight	1300 - 1800 kg
Empty weight depending on model	850 - 1100 kg
Max. load capacity	450 - 700 kg

Warning Trailer Type A31

Ref. No.

Warning Trailer Type A31 in modular construction	129717-031
Warning Trailer Type A31-L in modular construction	129717-031-L



More information

NIS-00211

To be entered on nissen-germany.com

Warning Trailer

A41



CHASSIS AND BODY

- Modular design, separately bolted, galvanized and interchangeable
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading ramp surfaced with aluminium chequered plate
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- 2 battery boxes of steel with aluminium chequered plate cover (950 x 630 x 300 mm)
- Support frame for the drawbar of a loaded warning board
- Manual cable winch with a hook and 10 m of cable
- Rubber spring axle with a tandem brake design with automatic brake adjustment
- 6 lashing points (straps) with 500 daN
- 2 fully adjustable support legs
- Loading aid incl. hopper opening

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 3600 x 2200 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps (WL5) and 25 separately monitored LED warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Motorized lifting/lowering of the top board with mechanical emergency adjustment and emergency-off switch
- Combined manual radio-cable control for activating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V up to 80 hours daytime operation (further energy packages on request)
- Trailer lighting 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery guard for protection of electronics
- LP 8000 approved according to EMC directive

ACCESSORIES AND OPTIONS

- Repeater of the vehicle lighting
- Cargo securing set and central crank supports
- Acoustic signalling device for manual control
- Control and monitoring system
- Firm rear frame
- Winch, set for lashing straps, traffic cone holder, spare wheel with holder, holder for warning threshold



Technical Data

Total length	6800 - 7200 mm
Total width	2400 mm
Track width	2200 mm
Loading area (LxW)	3100 x 1820 mm
Clearance width	1830 mm
Clearance height	1878 mm
Side boards (H)	300 mm
Total weight	2000 - 2500 kg
Empty weight depending on model	1100 - 1300 kg
Max. load capacity	900 - 1400 kg

Warning Trailer Type A41

Ref. No.

Warning Trailer Type A41 in modular construction

129717-041



More information

NIS-00208

To be entered on nissen-germany.com

Warning Trailer

A51



CHASSIS AND BODY

- Modular design, separately bolted, galvanized and interchangeable
- Galvanized, height-adjustable drawbar (Al-Ko), with overrun brake, holding brake
- DIN towing eye with a changeable spherical head coupling
- Loading ramp surfaced with aluminium chequered plate
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profile at the top
- The height-adjustable semi-automatic support wheel
- Robust plastic fenders
- 2 battery boxes of steel with aluminium chequered plate cover (950 x 630 x 300)
- 3 support frames for the drawbar of a loaded advance warning trailer
- Motorized cable winch with a hook and 10 m of cable
- Rubber spring axle with a tandem brake design with automatic brake adjustment
- 6 lashing points (straps) with 500 daN
- 2 fully adjustable support legs
- Loading aid incl. hopper opening

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA incl. traffic sign 616-30 StVO (road traffic regulations), 3600 x 2200 mm
- Chevron patterned plates and directional arrow with micro-prismatic retro-reflective foil, type RA2
- Light arrow system with two LED-TL advance warning lamps (WL5) and 25 separately monitored LED-TL warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency adjustment and automatic light arrow adjustment
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Combined manual radio-cable control for activating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 80 hours daytime operation (further energy packages on request)
- Battery guard for electronic protection
- Repeater for the vehicle lighting
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Light arrow LP 8000 approved according to EMC directive

ACCESSORIES AND OPTIONS

- Cargo securing set
- Central crank supports
- An acoustic signalling device for manual control
- Control and monitoring system
- LED Light Arrow LP8 with holder
- Spare wheel with holder and warning ramp fixture



Technical Data

Total length	8950 - 9260 mm
Total width	2430 mm
Track width	2200 mm
Loading area (LxW)	5400 x 1850 mm
Clearance width	1830 mm
Clearance height	1878 mm
Total weight	3500 kg
Empty weight depending on model	1800 - 1900 kg
Max. load capacity	1600 - 1700 kg

Warning Trailer Type A51 in modular construction

Ref. No.

Warning Trailer Type A51 in modular construction

129717-051



More information

NIS-00288

To be entered on nissen-germany.com

Warning trailers for roads without oncoming traffic

B SERIES

Take advantage of modular and individually configurable trailers with extremely long operating times and load capacities up to 1,5 tons.

Comparison	B1	B2	B3	B4
Perm. total weight	750kg	750–1000kg	1300 kg–1500kg	2000–2500kg
Empty weight	350–400kg	400–450kg	700–900kg	950–1000kg
Load capacity	-	350–550kg	400–700kg	1000–1550kg
Loading area (L x W)	-	1760 x 1000mm	2610 x 1510mm	3610 x 1510mm
Total length	4200–4700mm	4200–4700mm	5400–5900mm	6480–6630mm
Track width	1400mm	1400mm	1900mm	1900mm
Loading ramp	no	no	yes	yes





ROBUST MODULAR DESIGN

Welded chassis and steel frame from our own production facilities

CORROSION PROTECTION

Chassis, drawbar and frame completely galvanized

OPTIMAL CONSTRUCTION

High-grade quality components for permanently safe operation, maintenance-friendly design

STABLE WARNING TRAILER

With traffic sign 616-31 as per RSA 21 and ZTV-SA with retroreflective foil (2500 x 1700 mm); country-specific traffic signs on request

LIGHT ARROW DEVICE

With two energy-saving warning lamps as well as 15 energy-saving and individually monitored warning lamps

SIMPLE OPERATION

Change the direction of the light arrow and the directional arrow with motor revolution with the remote control; uniform operating concept

LONG SERVICE LIFE

Standard up to 80 hours daily operation – (more as an option)

LOCATION-INDEPENDENT

Control via simple connection to web-based applications

Warning Trailer

B1



CHASSIS AND BODY

- Chassis and body of galvanized steel
- Galvanized, height-adjustable drawbar (Al-Ko), with holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Height-adjustable support wheel
- Robust plastic fenders
- Battery box of plastic (750 x 340 x 320 mm)
- Braked rubber spring axle
- 2 fully adjustable support legs

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA incl. traffic sign 616-31 StVO (road traffic regulations), 2500 x 1700 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with 2 LED advance warning lamps (WL5)
- Directional arrow with motor revolution, mechanical emergency adjustment and automatic luminous arrow adjustment
- Manual lifting and lowering of the top board

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 55 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery disconnecter

ACCESSORIES AND OPTIONS

- Battery guard for protection of electronics
- Central crank supports
- Control and monitoring system
- Motorized lifting and lowering of the top board
- Manual cable or radio control for operating all functions via one-touch keys



Technical Data

Total length	4200 - 4700 mm
Total width	1700 mm
Track width	1400 mm
Total weight	750 kg
Empty weight depending on model	350 - 400 kg

Warning Trailer Type B1

Warning Trailer Type B 1, without light warning system

Ref. No.

129700-001



More information

NIS-00057

To be entered on nissan-germany.com

Warning Trailer

B2



CHASSIS AND BODY

- Chassis and body of galvanized steel
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- Battery box integrated into the side panel design incl. cover of aluminium chequered plate (1000 x 400 x 300 mm)
- Braked rubber spring axle
- 4 lashing points (straps) with 500 daN
- 2 fully adjustable support legs

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 2500 x 1700 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps (WL5) and 15 separately monitored LED warning lamps (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Manual lifting and lowering of the top board
- Manual cable or radio control for operating all functions via one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 55 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery disconnecter

ACCESSORIES AND OPTIONS

- Battery guard for protection of electronics
- Cargo securing set
- Central crank supports
- Control and monitoring system
- Motorized lifting and lowering of the top board
- Traffic cone holder



Sign 615

Technical Data

Total length	4200 mm
Total width	1700 mm
Track width	1400 mm 400 - 450 kg
Loading area (LxW)	1760 x 1000 mm
Side boards (H)	300 mm
Total weight	750 - 1000 kg
Empty weight depending on model	350 - 550 kg
Max. load capacity	

Warning Trailer Type B2

Ref. No.

Warning Trailer Type B 2, without light warning system

129700-002



More information

NIS-00058

To be entered on nissen-germany.com

Warning Trailer

B3



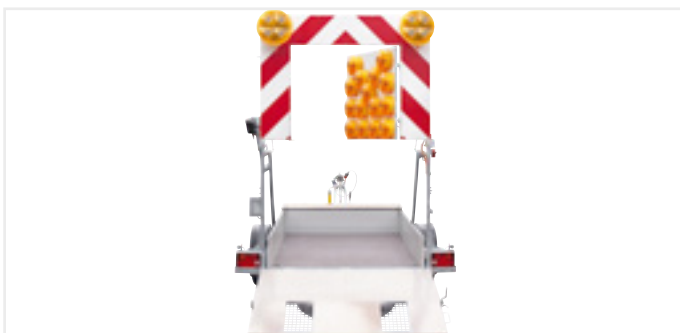
CHASSIS AND BODY

- Chassis and body of galvanized steel
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading ramp surfaced with aluminium chequered plate
- Loading area of 18 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of double-walled aluminium with interior reinforcement bars
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- Battery box integrated into the side panel design incl. cover of aluminium chequered plate (1580 x 450 x 300 mm)
- Braked rubber spring axle
- 6 lashing points (straps) with 500 daN
- 2 fully adjustable support legs



WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 2500 x 1700 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning lamps(WL5) and 15 separately monitored LED warning lamps(WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Manual lifting and lowering of the top board
- Manual cable or radio control for operating all functions via one-touch keys



ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 55 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery disconnecter

ACCESSORIES AND OPTIONS

- Battery guard for protection of electronics
- Cargo securing set
- central crank supports
- Control and monitoring system
- Motorized lifting and lowering of the top board
- Traffic cone holder

Technical Data

Total length	5400 - 5900 mm
Total width	2150 mm
Track width	1900 mm
Loading area (LxW)	2610 x 1510 mm
Clearance width	1510 mm
Clearance height	1262 mm (centred 2212 mm)
Side boards (H)	300 mm
Total weight	1300 - 1500 kg
Empty weight depending on model	700 - 900 kg
Max. load capacity	400 - 700 kg

Warning Trailer Type B3

	Ref. No.
Warning Trailer Type B 3, total weight 1300 kg	129700-003
Warning Trailer Type B 3, total weight 1500 kg	129700-003-01



More information

NIS-00059

To be entered on nissen-germany.com

Warning Trailer

B4



CHASSIS AND BODY

- Chassis and body of galvanized steel
- Galvanized, height-adjustable drawbar (AI-Ko), with overrun brake, holding brake and parallel adjustment
- DIN towing eye with a changeable spherical head coupling
- Loading ramp surfaced with aluminium chequered plate
- Loading area of 18 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of double-walled aluminium with interior reinforcement bars
- Height-adjustable semi-automatic support wheel
- Robust plastic fenders
- Battery box integrated into the side panel design incl. cover of aluminium chequered plate (1580 x 450 x 300 mm)
- Braked tandem design rubber spring axle
- 6 lashing points (straps) with 500 daN
- 2 fully adjustable support legs

WARNING BOARD

- Warning board in compliance with RSA 21 and ZTV-SA, 2500 x 1700 mm
- Chevron patterned plates and directional arrow with microprismatic retro-reflective foil, type RA2
- Light arrow system with two LED warning beacons (WL5) and 15 separately monitored LED warning beacons (WL6)
- Directional arrow with motor revolution, mechanical emergency and automatic light arrow adjustment
- Manual lifting and lowering of the top board
- Manual cable or radio control for operating all functions via one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery 12 V, up to 55 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery charger
- Battery disconnecter

ACCESSORIES AND OPTIONS

- Battery guard for protection of electronics
- Cargo securing set and central crank supports
- Control and monitoring system
- Motorized lifting and lowering of the top board
- Traffic cone holder



Technical Data

Total length	6480 - 6630 mm
Total width	2104 mm
Track width	1900 mm
Loading area (LxW)	3610 x 1510 mm
Clearance width	1510 mm
Clearance height	1262 mm (centred 2212 mm)
Side boards (H)	300 mm
Total weight	2000 - 2500 kg
Empty weight depending on model	950 - 1000 kg
Max. load capacity	1000 - 1550 kg

Warning Trailer Type B4

Ref. No.

Warning Trailer Type B 3 Tandem (B 4), without light warning system

129700-004



More information

NIS-00110

To be entered on nissen-germany.com

SOMETIMES, MORE IS BETTER

Ready for operation, right from the factory: You can start using our warning trailers in road traffic right away. We also offer accessory options so that you can customize your trailers to your needs for one-of-a-kind operating convenience.

ELECTRICAL EQUIPMENT

Battery monitor

Ensure the long-term performance of your mobile warning board. The battery monitor protects the batteries from deep discharge and protects the electronics against overloading. Flying sparks are also minimised through load-free connection during battery changes.

Charge Booster

Our charging boosters ensure that the battery is reliably charged by the towing vehicle, even over short distances. This increases the service life measurably and improves the reliability of your mobile warning board.

OPERATION

Operating hours meter

The detailed documentation on the use of your mobile warning trailer let you detect wear and tear in advance and replace parts like bulbs, batteries or mechanical components before they fail. The operating hours meter also provides you with critical information to make your billing easier.

Interface package XML

This module enables secure data exchange between several devices. It makes it possible to third-party devices or control equipment using the XML interface package.



Electrical peephole VZ 222

Always have the correct information and a critical overview of oncoming traffic. Manual, electrical opening and closing of the peephole in the large round plates is convenient and increases safety.

NiBus mobil RSU modem

This digital data interface lets you control and monitor our warning and barrier systems in accordance with safety standards, regardless of your location.

TRANSPORTATION

Secure loading

We offer a variety of accessories for the secure transportation of materials and tools, from airline rails to safety nets and lashing rails on the floor of the loading areas.

SAFETY

GPS speed sensor

Our warning trailers and boards are designed for specific maximum speeds. The optional GPS speed sensor ensures that the warning board automatically retracts when the maximum speed is exceeded. The system also prevents the warning board from opening during travel.

INDIVIDUALITY AT A GLANCE

Adapt your mobile barrier with accessories that meet your needs.

	A1	A2	A31	A41	A51	B1	B2	B3	B4
Equipment									
• Spare wheel with holder	•	•	•	•	•	•	•	•	•
• Parking light socket	•	•	•	•	•	•	•	•	•
• Axis mileage indicator	•	•	•	•	•	•	•	•	•
• Anti-theft wheel bolts	•	•	•	•	•	•	•	•	•
• Cockpit bracket remote control	•	•	•	•	•	•	•	•	•
• Holder and charging tray Remote controls	•	•	•	•	•	•	•	•	•
• Lighting for loading area	•	•	•	•	•	-	•	•	•
• Step above mudguard	•	•	•	•	-	-	-	-	-
• Cable drum	•	•	•	•	•	-	-	•	•
• Holder for warning flag	•	•	•	•	•	-	-	•	•
• Light for battery box	•	•	•	•	•	-	•	•	•
Operation									
• XML interface package	•	•	•	•	•	•	•	•	•
• Hydraulic lifting / lowering device	•	•	•	•	•	-	-	•	•
• Tool-less emergency operation PV	•	•	•	•	•	•	•	•	•
• Electrical peephole VZ 222	•	•	•	•	•	-	-	-	-
• NiBus modem	•	•	•	•	•	•	•	•	•

	A1	A2	A31	A41	A51	B1	B2	B3	B4
Electrical systems									
• Power supply 230 V	•	•	•	•	•	•	•	•	•
• Charging plug connection 12/24 V	•	•	•	•	•	•	•	•	•
• Battery	•	•	•	•	•	•	•	•	•
• Operating hours meter	•	•	•	•	•	•	•	•	•
• Preparation for power generators	•	•	•	•	-	-	-	-	-
• Charge booster	•	•	•	•	•	•	•	•	•
Chassis									
• Central crank support	•	•	•	•	•	•	•	•	•
• Upgrade 100 km / h	•	•	•	•	•	•	•	•	•
• Height adapter for support wheel	•	•	•	•	•	•	•	•	•
Safety									
• GPS speed sensor	•	•	•	•	•	•	•	•	•
• Monitoring equipment	•	•	•	•	•	•	•	•	•
• Malfunction message via alarm siren	•	•	•	•	•	•	•	•	•
• Warning markings according to DIN 307010	•	•	•	•	•	•	•	•	•
• Anti-theft protection limit lights	•	•	•	•	•	-	-	-	-
• Upper panel lock	•	•	•	•	•	•	•	•	•
• CB warning system	•	•	•	•	•	•	•	•	•
Transportation									
• Traffic cone holder	•	•	•	•	-	-	•	•	•
• Holder for light arrow LP 8	•	•	•	•	•	-	-	•	•
• Airline rail on the side walls	•	•	•	•	-	-	•	•	•
• Net for securing loads	•	•	•	•	-	-	•	•	•
• Tension / lashing harness for LED-VLT	-	-	•	•	•	-	-	-	-
• Lashing rails	-	•	•	•	-	-	-	•	•
• Warning signal holder	•	•	•	•	•	-	-	-	-

WARNING-, UPPER BOARDS & SLIDER

For installation on existing vehicles and for country-specific traffic signs, our warning boards and upper boards are manufactured according to the highest quality standards in Germany. They can also be individually configured to your needs.



INDIVIDUAL
CONFIGURATION





Warning Board Type A and B

- Warning Board according to German Standard RSA and TL-Absperrtafeln 3600 x 2200 mm with traffic sign 616-30 (big)
- Warning Board according to German Standard RSA and TL-Absperrtafeln 2500 x 1700 mm with traffic sign 616-31 (small)
- Optional: battery box, battery guard, charger, vehicle lightning system, manual or electrical arrow adjustment, electrical lifting/lowering, remote control



Warning Board Type A and B

Warning Board Type B
according to German standard „RSA“ with sign 616-31 (small)
Warning Board Type A
according to German standard „RSA“ with sign 616-30

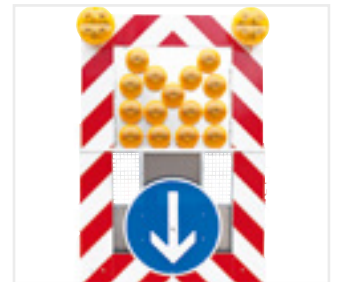
Ref. No.

329378-001

329379-001



Warning board sign 616-30



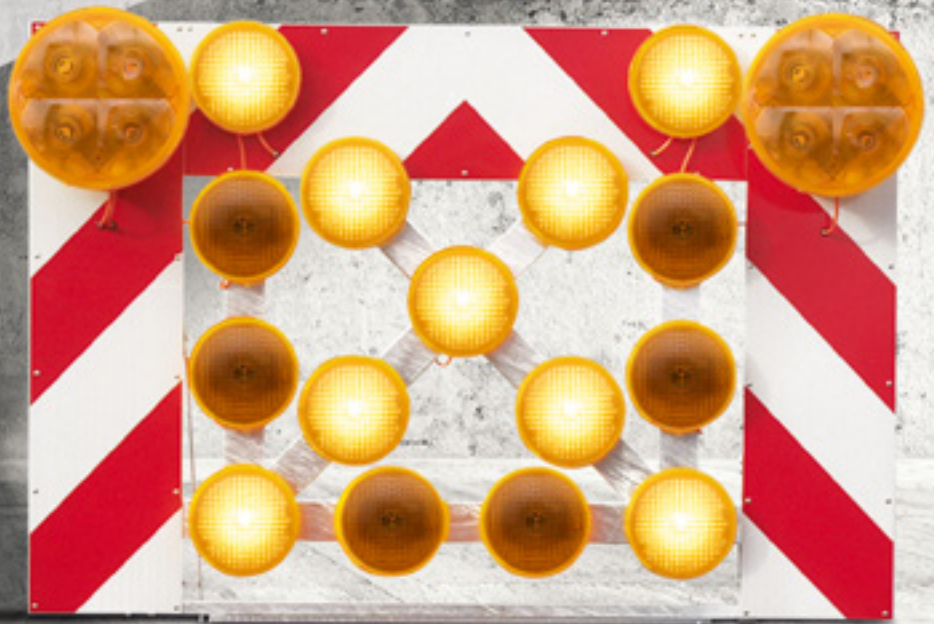
Warning board sign 616-31



More information
NIS-00236
To be entered on nissen-germany.com

Upper Boards

- For mounting country specific traffic signs or lamps
- Easy installation
- Mounting of the upper board by hinge system
- Optional: battery box, battery guard, charger, vehicle lighting system, manual or electrical arrow adjustment, electrical lifting/lowering, remote control

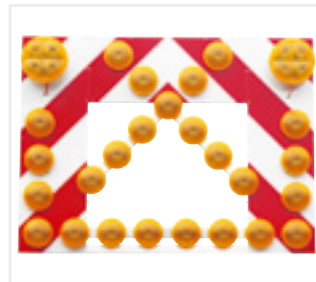


Upper Boards

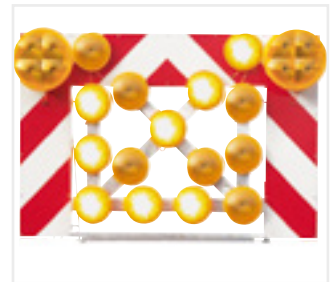
- Upper Board with light arrow combination type LP 15
- Upper Board with light arrow device type LP 25

Ref. No.

- 329380-001
- 329380-004



Upper board with light arrow system LP 25



Upper board with light arrow system LP 15



More information
NIS-00237

To be entered on nissan-germany.com

Vertically Liftable Warning Board Slider

- Low wind load when the upper board is lowered
- Also possible in combination with crash absorber and docking station
- Available in nearly all country-specific versions



Vertically Liftable Warning Board Slider

Vertically Liftable Warning Board Slider
with light arrow device type 8000 and motor operated
arrow adjustment

Ref. No.

129740-001



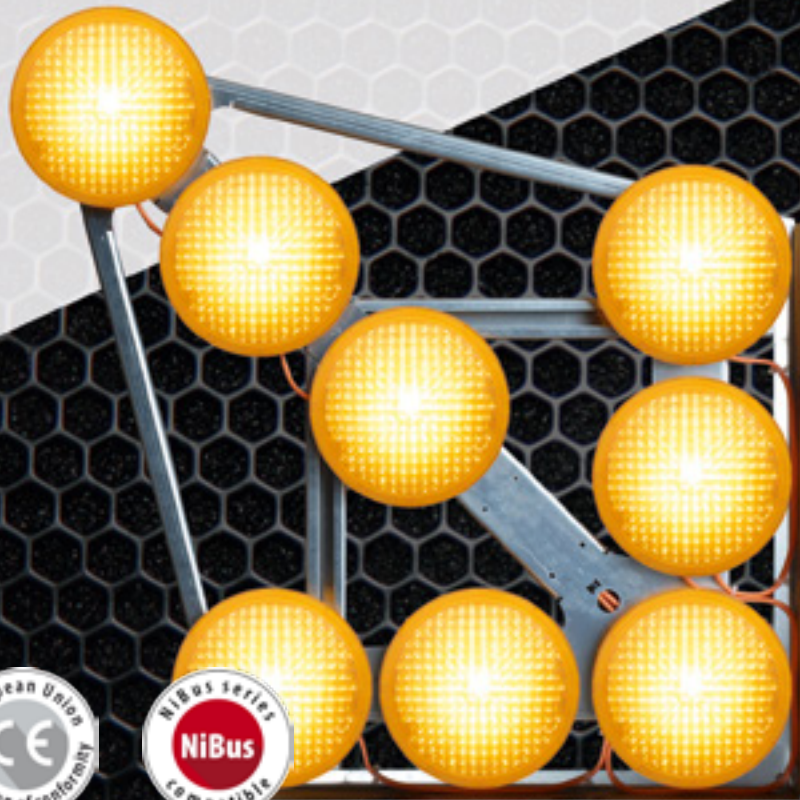
More information

NIS-00108

To be entered on nissen-germany.com

LED Light Arrow LP 8

- Low wind load according to open design
- Automatic day/night adaptation
- Quick and easy mounting at or on vehicles and carriages
- Aluminium frame, slip-on type, for pointing left or right
- Bracket for mounting on tubes for manual setting to five different positions available



Light colour
yellow



Max. light intensity
2200 cd



Eff. light intensity
1500 cd



Av. power consumpt. day
1.3 A



Operating voltage
12/24V



Dimensions (LxWxH)
1130 x 900 x 165 mm



Weight
13 kg

LED Light Arrow LP 8

Ref. No.

LED Light Arrow Type LP 8

129361-152

consisting of:

8 Multi-Light 200 LED lamps 220 mm, mounted on an aluminium frame with

slip-on device

and 3 m connecting cable with battery clips

Accessories and Spare parts

Ref. No.

Bracket for mounting on tubes with adjustment device, 5 positions

329360-1

Adapter for mounting on board sides

329365-3

Operating time with one battery set

With rechargeable battery 12V, 56 Ah

50 hrs

With rechargeable battery 12V, 80 Ah

75 hrs

With rechargeable battery 12V, 180 Ah

160 hrs

With rechargeable battery 12V, 230 Ah

200 hrs



More information

NIS-00046

To be entered on nissen-germany.com

Test number

V3-24-2013

A NEW DIMENSION OF SAFETY



LED technology has revolutionised mobile traffic management and control. Actively lighting and dynamic traffic signs can be adjusted in real time to changing situations, to meet the increasing challenges surrounding road traffic and increase use efficiency.

As a leading global manufacturer, we have driven and shaped this development. With the Nissen VarioSign LED system we can offer you custom solutions from a single variable message sign to a fully equipped VarioSign LED trailer. You will also profit from our TrafficManager software, with which you can control and monitor all the devices remotely.

VarioSign LED System

Structure	48
Development and manufacturing	50
Traffic signs, direction signals and symbols	52
VarioSign LED trailers	54
LED Trailer Standard	56
LED Trailer Advanced	58
LED Trailer Premium	60
LED Trailer Pharos 2.0	62
LED Trailer Pharos 2.39	64
Pharos XXL	66
LED Trailer Solar	68
LED Trailer Solar Tower	70
Accessories	72
VarioSign LED variable message signs	76
VarioSign	78
ProLine SMD	80
SpeedSign	82
WeNiPol II	84
Pamir II	86

SOLUTIONS FOR EVERY APPLICATION

Foto: X21de Reiner Freese

The VarioSign LED system is based on high-quality SMD boards measuring 360 x 360mm and 420 x 420mm. With these boards, we can configure LED traffic signs in all common sizes, even for country-specific specifications. The traffic signs are securely framed in a stable aluminium profile, which makes them ideal for mobile use. Each LED interchange symbol has a library stored on a medium and can be freely programmed.

Developed and perfected by pioneers

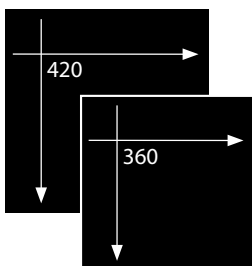
Our mobile LED traffic signs can be easily mounted on vehicles, guard rails or trusses. The WeNiPol II version is suitable for rooftop installation on vehicles.

We also offer complete mobile warning systems with different types of chassis.

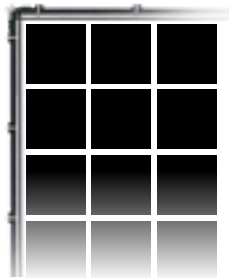
VarioSign Classic and VarioSign RGB

Choose from two LED technologies: VarioSign Classic with up to four colours and VarioSign RGB to display 256 colours. VarioSign Classic has a special, anti-reflective glass to ensure optimal visibility, even in daylight. The VarioSign RGB version uses our patented lens technology, which enables 100% colour display – ideal for use at events.

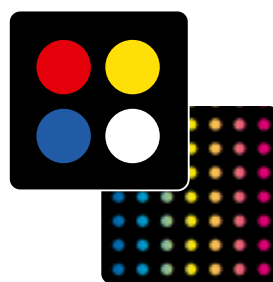
Basic modules



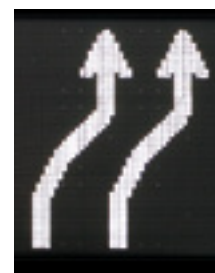
Aluminium profiles



LED Classic or RGB



Programming



You need a custom LED solution?
Contact us: verkauf@nissen-germany.com

HIGHTECH FROM A SINGLE SOURCE

All components of our VarioSign LED system come from our own production facilities – from the technical layout, the assembly of the circuit boards to the reflow soldering process, and the application of a protective lacquer. Before the production goes any further, we test the circuit boards to make sure they function perfectly. Next, our expert teams assemble the traffic signs, install them on a chassis if required, and equip them with pre-programmed software.

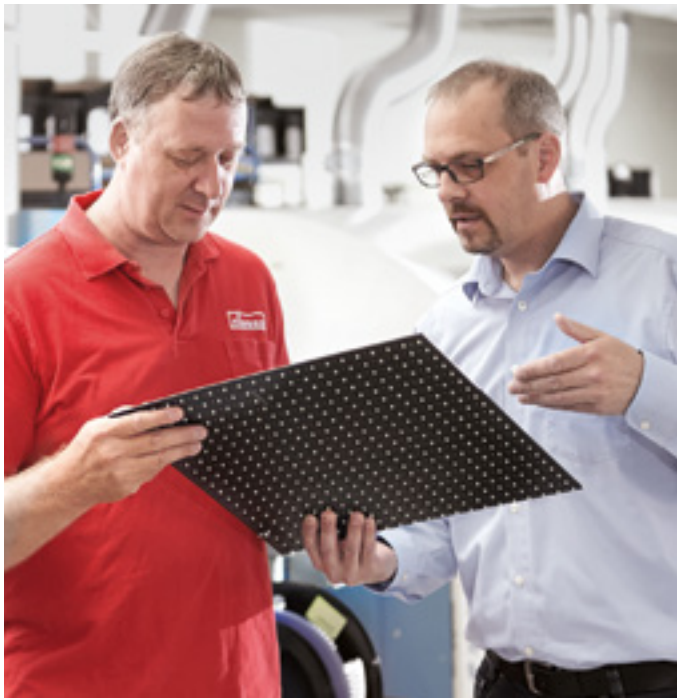
VarioSign LED – Your benefits at a glance

- Better visibility through active light
- Reduction of dangers and accidents
- Variable potential for use
- Diverse range of display options
- Compatible with intelligent control systems
- Low energy consumption



ISO certified

Our quality management has been certified since 1995 according to **DIN EN ISO 9001** and our environmental management since 2014 according to **DIN EN ISO 14001**.



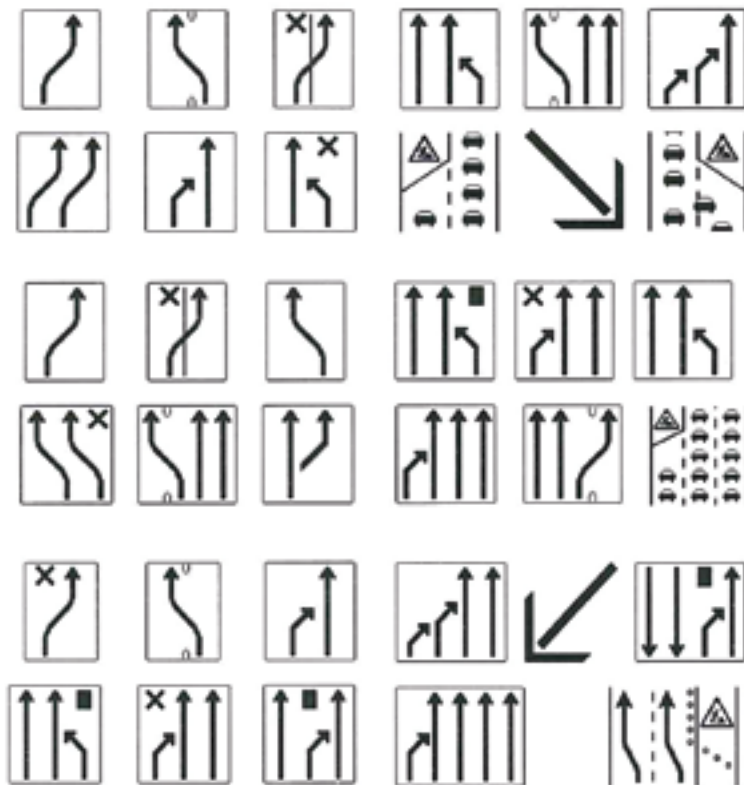
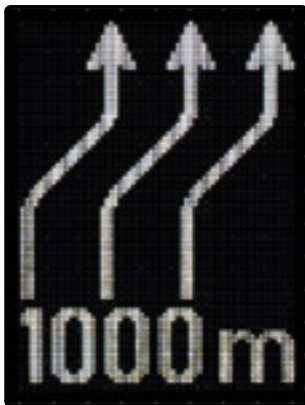
BRIGHT VARIETY

Whether animated or static, VarioSign LED traffic signs can display all traffic and direction signals, as well as almost every kind of symbol or text.

Our VarioSign LED traffic signs have comprehensive libraries available to help you find the characters that you need. These are stored on a medium and enable easy operation without any risk of confusion. You can also create your own texts and symbols.



... and many more characters



VarioSign LED TRAILER

Comparison	Standard	Advanced	Premium	Pharos 2.0	Pharos 2.39
Perm. total weight	750–1000kg	750–1000kg	1000–1500kg	2500kg	2500kg
Empty weight depending on model	620–720kg	640–900kg	810–940kg	2260kg	2050kg
Load capacity	30–380kg	240–360kg	190–490kg	240kg	450kg
Total length	4450–5800mm	4450–5800mm	3770–5300mm	5950–5990mm	5950–5990mm
Overall width	1810mm	1810mm	2200mm	2200mm	2200mm
Top LED sign	2 x 2/420	3 x 3/360	3 x 3/420	7 x 3/360	5 x 3/360
Middle LED sign	-	-	-	3 x 3/360	3 x 3/360
Lower LED sign	3 x 4/420	3 x 4/420	4 x 4/420	3 x 4/420	3 x 4/420
LED colours	rt/ws/ge/bl-RGB	rt/ws/ge/bl-RGB	rt/ws/ge/bl-RGB	rt/ws/ge/bl-RGB	rt/ws/ge/bl-RGB
Pitch	20mm	20mm	20mm	20mm	20mm



Thanks to powerful LED modules, a wide range of display options and compatibility with intelligent control systems, our mobile LED warning lights are suitable for a wide range of applications, from blocking off hazardous locations to traffic management at events.

LED VARIABLE MESSAGE SIGNS

From our own development and production facilities

STRONG LUMINOSITY

2,500 LED / m² – tested and approved

DYNAMIC DISPLAY

Software for custom programming

INFINITELY VARIABLE BRIGHTNESS ADJUSTMENT

Automatic or manual

POWERFUL ELECTRONICS

For extremely long operating times

ROBUST MODULAR DESIGN

With individually interchangeable elements

INDIVIDUAL DESIGN

Chassis and LED traffic signs can be configured

MOBILE TELEMATICS

All products in this series are fully compatible with the Software TrafficManager

VarioSign LED Trailer

STANDARD



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with holding brake
- DIN towing eye and spherical head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable support legs
- Battery box of acid-proof plastic (1660 x 450 x 320 mm)
- Plastic fenders
- Warning marking in accordance with DIN 30710 at the rear and additional warning markings at the sides
- Handle for one-handed opening/closing of battery box

ADVANCE WARNING BOARD

- 2 LED advance warning lamps inspected in compliance with TL warning lamps WL 5
- 2 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	970 x 970 mm
LED display surface:	840 x 840 mm
Pixels:	42 x 42
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Separately programmable text line
- Libraries on a separate memory module
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Electromotive locking in lowered state
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys
- Free programming software

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



Side view



Lowered

ACCESSORIES AND OPTIONS

- Central crank supports
- Control and monitoring system
- Operating hours counter
- Interface package
- Fuel cell

Technical Data

Total length	4450 - 5800 mm
Total width	1810 mm
Track width	1600 mm
Height lowered	750 - 1000 kg
Height lifted	620 - 720 kg
Total weight	30 - 380 kg
Empty weight depending on model	3596 mm
Max. load capacity	1475 mm

VarioSign LED Trailer STANDARD

Ref. No.

Advance Warning Trailer VarioSign STANDARD
with LED variable message signs
total weight 750 - 1000 kg, with parking brake

129265-011



More information

NIS-00242

To be entered on nissen-germany.com

VarioSign LED Trailer

ADVANCED



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with holding brake
- DIN towing eye and spherical head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable support legs
- Battery box of acid-proof plastic (1660 x 450 x 320 mm)
- Plastic fenders
- Warning marking in accordance with DIN 30710 at the rear and additional warning markings at the sides
- Handle for one-handed opening/closing of battery box

ADVANCE WARNING BOARD

- 2 LED advance warning lamps tested according to TL warning lamps WL 5
- 2 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	1210 x 1210 mm
LED display surface:	1080 x 1080 mm
Pixels:	54 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Separately programmable text line
- Libraries on a separate memory module
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Electromotive locking in lowered state
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys
- Free programming software

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V und/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



Lowered

ACCESSORIES AND OPTIONS

- Central crank supports
- Control and monitoring system
- Operating hours counter
- Interface package
- Fuel cells

Technical Data

Total length	4450 - 5800 mm
Total width	1810 mm
Track width	1600 mm
Height lowered	1455 mm
Height lifted	750 - 1000 mm
Total weight	640 - 900 kg
Empty weight depending on model	100 - 360 kg
Max. load capacity	3970 mm

VarioSign LED Trailer ADVANCED

Ref. No.

Advance Warning Trailer VarioSign ADVANCED
with LED variable message signs
total weight 1000 kg, with parking brake

129265-012



More information

NIS-00287

To be entered on nissen-germany.com

VarioSign LED Trailer

PREMIUM



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with holding brake
- DIN towing eye and spherical head coupling changeable
- Loading area of 15 mm 7 layered laminated plywood sheets with sealed edges
- Side panels of 15 mm 7 layered laminated plywood covered with aluminium sheet profil at the top
- Loading area (1600 x 530 x 300 mm)
- Height-adjustable support wheel and 4 fully adjustable support legs
- Battery box of acid-proof plastic (1660 x 450 x 320 mm)
- Plastic fenders
- Handle for one-handed opening/closing of battery box

ADVANCE WARNING BOARD

- 2 LED advance warning lamps tested according to TL warning lamps WL 5
- 2 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	1390 x 1390 mm
LED display surface:	1260 x 1260 mm
Pixels:	63 x 63
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1810 x 1810 mm
LED display surface:	1680 x 1680 mm
Pixels:	84 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Separately programmable text line
- Libraries on a separate memory module
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Electromotive locking in lowered state
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys
- Free programming software

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



ACCESSORIES AND OPTIONS

- Central crank supports
- Control and monitoring system
- Operating hours counter
- Interface package
- Spare wheel
- Traffic cone holder

Technical Data

Total length	A1: 3770 - 4500 mm, A2: 4800 - 5300 mm
Total width	2200 mm
Track width	2000 mm
Loading area (LxW)	A1: 1360 x 1620 mm, A2: 1870 x 1620 mm
Height lowered	A1: 1000 - 1300 kg, A2: 1300 - 1500 kg
Height lifted	A1: 810 kg, A2: 940 kg
Total weight	A1: 190 - 490 kg, A2: 220 - 420 kg
Empty weight depending on model	3930 mm
Max. load capacity	2460 mm

VarioSign LED Trailer PREMIUM

Ref. No.

Advance Warning Trailer VarioSign ADVANCED with LED variable message signs (A1), total weight 1300 - 1500 kg, with parking brake	129265-025
Advance Warning Trailer VarioSign ADVANCED with LED variable message signs (A2) total weight 1300 - 1500 kg, with parking brake	129265-026



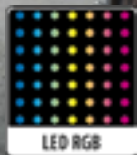
More information

NIS-00286

To be entered on nissen-germany.com

VarioSign LED Warning Trailer

PHAROS 2.0



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with overrun brake and holding brake
- DIN towing eye and spherical-head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable and individually controllable electrical supports
- 2 battery boxes of acid-proof plastic (1660 x 450 x 320 mm)

ADVANCE WARNING BOARD

- 4 LED advance warning lamps tested according to TL warning lamps WL 5
- 3 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	2650 x 1210 mm
LED display surface:	2520 x 1080 mm
Pixels:	126 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Medium-sized variable traffic-sign (optional)

Housing size:	1210 x 1210 mm
LED display surface:	1080 x 1080 mm
Pixels:	54 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Automatic adjustment
- Upper LED variable traffic sign swings above the road
- Libraries on a separate memory module
- Hydraulic lifting and lowering of the upper board, including a mechanism for mechanical emergency adjustment
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys
- Free programming software

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



State for transport



Side view

ACCESSORIES AND OPTIONS

- Control and monitoring system
- Operating hours counter
- Interface package
- Wind sensor
- Up to 4 rechargeable batteries
- Warning marking in accordance with DIN 30710

Technical Data

Total length	5950 - 5990 mm
Total width	(side part lowered / lifted) 2200 / 5500 mm
Track width	2000 mm
Height lowered	3700 mm
Height lifted	4800 mm
Clearance height	2500 mm
Total weight	2260 kg
Empty weight depending on model	240 kg
Max. load capacity	6720 mm

VarioSign LED Warning Trailer PHAROS 2.0

Ref. No.

Advance LED Overhead Warning Trailer Pharos 2.0

129265-052



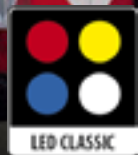
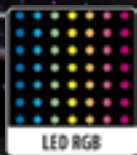
More information

NIS-00260

To be entered on nissen-germany.com

VarioSign LED Warning Trailer

PHAROS 2.39



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- Hot-galvanized, height-adjustable drawbar with overrun brake and holding brake
- DIN towing eye and spherical-head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable and individually controllable electrical supports
- 2 battery boxes of acid-proof plastic (1660 x 450 x 320 mm)

ADVANCE WARNING BOARD

- 4 LED advance warning lamps tested according to TL warning lamps WL 5
- 3 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	1930 x 1210 mm
LED display surface:	1800 x 1080 mm
Pixels:	90 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Medium-sized variable traffic-sign (optional)

Housing size:	1210 x 1210 mm
LED display surface:	1080 x 1080 mm
Pixels:	54 x 54
Grid dimension:	20 mm
LED/m ² :	2500

Lower variable traffic sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Automatic adjustment
- Libraries on a separate memory module
- Hydraulic lifting and lowering of the upper board, including a mechanism for mechanical emergency adjustment
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys
- Free programming software

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



Side view lowered



Side view lowered

ACCESSORIES AND OPTIONS

- Control and monitoring system
- Operating hours counter
- Interface package
- Wind sensor
- Up to 4 rechargeable batteries

Technical Data

Total length	5950 - 5990 mm
Total width	2200 mm
Track width	2000 mm
Height lowered	3700 mm
Height lifted	2500 mm
Total weight	2050 kg
Empty weight depending on model	450 kg
Max. load capacity	6850 mm

VarioSign LED Warning Trailer PHAROS 2.39

Ref. No.

Advance LED Overhead Warning Trailer Pharos 2.39

129265-053



More information

NIS-00304

To be entered on nissen-germany.com

Mobile sign gantry Vario Sign

Pharos XXL



CHASSIS AND BODY

- Rockinger drawbar (foldable), tensile load: 24 tons
- Two braked axles (compressed air), carrying capacity per axle 9000 kg
- Wheels with heavy duty wheel rims, wheel size: 235 /75R17.5
- Slewing ring with a diameter of 1100 mm (Euronorm)
- 4 hydraulic supports
- Warning markings with foil (RA3 / class III)
- Chassis and frame completely painted, RAL 9005
- Aluminium and sheet metal parts completely painted, RAL 9005
- Crash protection system at the back

ELECTRONICS

- **System control:**
Automatic build up and dismantling program via touchscreen
- Manual build up and dismantling via manual operation (two-button operation) in the control box
- LED variable message sign control via Touch Remote Colour

LED variable message signs:

Housing size:	1390 x 1390 mm
LED display surface:	1260 x 1260 mm
Pixels:	63 x 63
Grid dimension:	20 mm
LED/m ² :	2500

ELECTRICAL SYSTEM

- Power supply 24 V
- 8 batteries
- Battery charger
- Power unit
- Trailer lighting: 24 V LED with 15-pole connector

ACCESSORIES AND OPTIONS

- 12 V electrical system
- Control and monitoring system TrafficManager
- Interface package
- LED advanced warning lamps (WL5 / L9H) according to German standards
- Version with roll-off frame with hook holder according to DIN 30722
- Energy package hybrid (with 8 solar panels, additionally to the existing generator)
- Extension by another track version (4 tracks)



Technical Data

Total length	(transport) 10675 mm (work) 13765 mm
Total width	(transport) 2497 mm (work) 18620 mm
Height lowered	3370 mm
Height lifted	6433 mm
Total weight	15000 kg

Mobile sign gantry Vario Sign Pharos XXL

Ref. No.

Mobile sign gantry VarioSign Pharos XXL with variable message sign trailer version	129724-001
Mobile sign gantry VarioSign Pharos XXL with variable message sign version roll-off frame	129725-001



More information

NIS-00336

To be entered on nissen-germany.com

VarioSign LED Trailer

SOLAR



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- DIN towing eye and spherical head coupling changeable
- Height-adjustable support wheel
- 4 fully adjustable hot-galvanized support legs
- Aluminium battery box for two batteries up to 210 Ah in size
- Plastic fenders
- Hot-galvanized, height-adjustable drawbar with holding brake
- Two solar modules which can charge the system batteries in every position

ADVANCE WARNING BOARD

- 2 LED advance warning lamps tested according to L9H according to EN12352
- 2 LED variable message signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable message sign

Housing size:	970 x 970 mm
LED display surface:	840 x 840 mm
Pixels:	42 x 42
Grid dimension:	20 mm
LED/m ² :	2500

Lower LED variable message sign

Housing size:	1390 x 1810 mm
LED display surface:	1260 x 1680 mm
Pixels:	63 x 84
Grid dimension:	20 mm
LED/m ² :	2500

- Separately programmable text line
- Libraries on a separate memory module
- Accessories and options
- Motorized lifting and lowering of the top board with mechanical emergency adjustment and freely accessible emergency-off switch
- Electromotive locking of the upper board
- Certified in compliance with EN 12966:2005+A1:2009
- Combined manual radio-cable remote control for operating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V, up to 50 hours daytime operation
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger



Side view



Lowered

ACCESSORIES AND OPTIONS

- Control and monitoring system
- Interface package
- Operating hours counter
- Programming device

Technical Data

Total length	5450 mm
Total width	1810 mm
Track width	1600 mm
Height lowered	1600 mm
Height lifted	3650 mm
Total weight	1000 kg

VarioSign LED Trailer SOLAR

Ref. No.

Mobile Info board „Solar“ with LED variable message signs
total weight 1000 kg, with holding brake

129265-032



More information

NIS-00331

To be entered on nissen-germany.com

VarioSign LED Trailer

SOLAR TOWER



CHASSIS AND BODY

- Chassis and body of hot-galvanized steel
- DIN-towing eye and with a changeable spherical head coupling
- Height-adjustable support wheel
- 4 hot-galvanized support legs
- Battery installation for 2 to 8 rechargeable batteries integrated in the chassis
- Hydraulic extendable and 359° rotating mast
- Forklift access and eyelets for loading are integrated in the Chassis
- Two solar modules with 300 W power each

LED VARIABLE MESSAGE SIGN

- LED variable traffic signs with an automatic and manual brightness adjustment for the static and dynamic representation of texts, symbols and road signs

Upper LED variable traffic sign

Housing size:	1810 x 1390 mm [w x h]
LED display surface:	1680 x 1260 mm [w x h]
Pixels:	84 x 63
Grid dimension:	20 mm
LED/m ² :	2500

- Full matrix for displaying freely programmable static or dynamic texts and symbols
- Certified in compliance with EN 12966:2005+A1:2009
- Optionally 1 – 256 colours
- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys

ELECTRICAL SYSTEM

- Rechargeable battery, 24 V with up to 50 hours daytime operation (further energy packages on request)
- Trailer lighting optionally 12 V and/or 24 V
- Feed socket 230 V
- Battery guard for protection of electronics
- Battery charger

ACCESSORIES AND OPTIONS

- Hot-galvanized, height-adjustable drawbar with holding brake
- Different sizes of LED variable message signs are possible (on request)
- Control and monitoring system



Side view



Retracted

Technical Data

Total length	3450 mm
Total width	1650 mm
Track width	1390 mm
Height lowered	750 - 1500 kg
Height lifted	3900 mm
Total weight	2700 mm

VarioSign LED Trailer SOLAR TOWER

Ref. No.

Mobile information board „Solar Tower“ with LED variable message signs	129265-041
total weight 750 - 1500 kg, with parking brake	



More information

NIS-00292

To be entered on nissan-germany.com



EXTRA FEATURES FOR YOUR BENEFIT

Ready for operation, right from the factory: You can put our LED warning systems to use in traffic right away. We also offer accessory options so that you can customize your trailers to your needs for one-of-a-kind operating convenience.

ELECTRICAL EQUIPMENT

Battery monitor

Ensure the long-term performance of your mobile warning board. The battery monitor protects the batteries from deep discharge and protects the electronics against overloading. Flying sparks are also minimised through load-free connection during battery changes.

Charge Booster

Our charging boosters ensure that the rechargeable battery is reliably charged by the towing vehicle, even over short distances. This increases the service life measurably and improves the reliability of your mobile warning board.

OPERATION

Operating hours meter

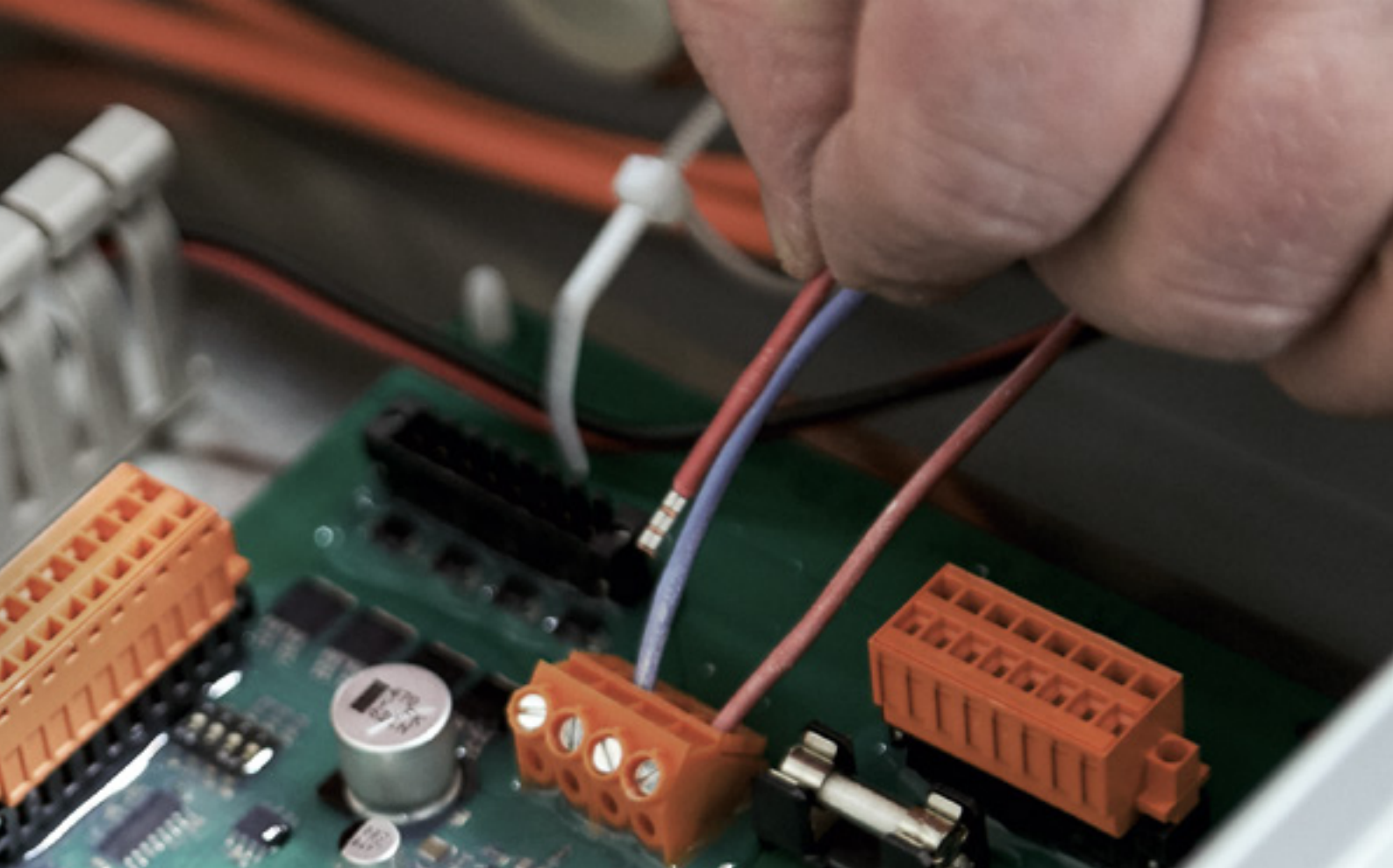
The detailed documentation on the use of your mobile warning trailer let you detect wear and tear in advance and replace parts like bulbs, batteries or mechanical components before they fail. The operating hours meter also provides you with critical information to make your billing easier.

Interface package XML

This module enables secure data exchange between several devices. It makes it possible to third-party devices or control equipment using the XML interface package.

Electrical peephole VZ 222

Always have the correct information and a critical overview of oncoming traffic. Manual, electrical opening and closing of the peephole in the large round plates is convenient and increases safety.



NiBus mobil RSU modem

This digital data interface lets you control and monitor our warning and barrier systems in accordance with safety standards, regardless of your location.

TRANSPORTATION

Secure loading

We offer a variety of accessories for the secure transportation of materials and tools, from airline rails to safety nets and lashing rails on the floor of the loading areas.

SAFETY

GPS speed sensor

Our warning trailers and boards are designed for specific maximum speeds. The optional GPS speed sensor ensures that the warning board automatically retracts when the maximum speed is exceeded. The system also prevents the warning board from opening during travel.

Monitoring device

Mobile VarioSign LED traffic signs are equipped with an acoustic and visual warning signal. This adds additional security in case of a system malfunction.

INDIVIDUALITY AT A GLANCE

Adapt your LED trailer with accessories that meet your needs.

	Standard	Advanced	Premium	Pharos II	Pharos 2.39
Equipment					
• Spare wheel with holder	•	•	•	•	•
• Loading area with side walls	•	•	Standard	-	-
• Parking light socket	•	•	•	•	•
• Axis mileage indicator	•	•	•	•	•
• Anti-theft wheel bolts	•	•	•	•	•
• Cockpit bracket remote control	•	•	•	•	•
• Holder and tray	•	•	•	•	•
• Lighting for loading area	-	-	•	-	-
• Cable drum	•	•	•	•	•
• Battery light	•	•	•	•	•

	Standard	Advanced	Premium	Pharos II	Pharos 2.39
Operation					
• Electric lock hinged	•	•	-	-	-
• XML interface package	•	•	•	•	•
• Programming device	•	•	•	•	•
• Hydraulic lifting/lowering device	•	•	•	Standard	Standard
• Acoustic signal transmitter manual control	•	•	•	•	•
• NiBus modem	•	•	•	•	•
Electrical systems					
• Power supply 230 V	•	•	•	•	•
• Charging plug connection 12/24 V	•	•	•	•	•
• Operating hours meter	•	•	•	•	•
• Preparation for power generators	•	•	•	-	-
Chassis					
• Central crank support	•	•	•	-	-
• Drawbar brace	•	•	-	Standard	Standard
• Upgrade 100 km/h	•	•	•	-	-
• Height adapter for support wheel	•	•	•	-	-
• Charge booster	•	•	•	-	-
Safety					
• Additional warning mark at the bottom	•	•	-	-	-
• GPS speed sensor	•	•	•	•	•
• Monitoring equipment	•	•	•	•	•
• Fault signal via alarm siren	•	•	•	•	•
• Front and side warning markings	•	•	•	•	•
• CB warning system	•	•	•	•	•
Transportation					
• Traffic cone holder	•	•	•	•	•
• Airline rail on the side walls	-	-	•	-	-
• Net for securing loads	-	-	•	-	-

A close-up, low-angle photograph of the hardware for an LED variable message sign. The image shows a dark, metallic frame with several rows of circular LED components. The top row features four larger, clear lenses. Below them are two rows of smaller, circular components, likely sensors or smaller LEDs. The background is a blurred, light-colored surface, possibly a road or a wall. A large red diagonal shape is overlaid on the top-left and bottom-right corners of the image.

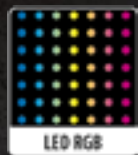
LED VARIABLE MESSAGE SIGNS

Universally usable

- Freely programmable text, symbols and signs
- Extensive libraries
- Displays in 4-color or RGB technology
- Robust construction
- Various sizes and versions available

LED Variable Message Sign

VarioSign



PROFILE FRAME

- A perfect solution for mobile applications
- Powder-coated aluminium profile housing (AlMg3)
- Universal mounting by C-profiles on the rear side
- Impact-resistant anti-reflective polycarbonate front pane (classic)
- Patented lens technology (RGB)
- Separate control housing on the rear side to provide easy maintenance access

LED DISPLAY

- Full matrix for displaying freely programmable static or dynamic texts, symbols and signs to animations
- Good recognizability of the signs from almost every perspective and even from long distances
- Certified in compliance with EN 12966:2005+A1:2009
- Complies with data sheet MTI 2015
- Grid dimension 20 mm
- Optionally 1-256 colours
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual
- Available in different display sizes

CONTROL & ELECTRICAL SYSTEM

- Manual cable control for operating all functions via one-touch keys
- 12/24 V operating voltage
- Optimized power supply for long operating times

Possible LED variable message signs

Type	LED surface (mm)	housing size (mm)
2x2-420	840 x 840	970 x 970
3x3-360	1080 x 1080	1210 x 1210
3x4-420	1260 x 1680	1390 x 1810
4x4-360	1440 x 1440	1570 x 1570
4x4-420	1680 x 1680	1810 x 1810
5x3-420	2100 x 1260	2230 x 1390
5x4-420	2100 x 1680	2230 x 1810
7x3-420	2940 x 1260	3070 x 1390
7x4-420	2940 x 1680	3070 x 1810

Typical applications

- Mobile traffic jam warning system
- Risk signalling
- Changing traffic routing
- Traffic management
- Signposting for events
- Height control
- Warning systems for the prevention of accidents involving deer
- Information display



ACCESSORIES AND OPTIONS

- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Control and monitoring system
- Open interface
- advanced warning lamps
- 230 V voltage supply

Technical Data

Operating voltage	12/24 Volt
Light source	LED
LED/m ²	2500
Material housing	Aluminium, seawater-resistant

VarioSign LED Variable Message Sign

	Ref. No.
VarioSignSMD Type 2x2-420, 12/24 V, red/white fully assembled with external control box, weight ca. 40 kg	229291-22-103
VarioSignSMD Type 3x3-360, 12/24 V, red/white fully assembled with external control box, weight ca. 55 kg	229290-33-103
VarioSignSMD Type 3x4-420, 12/24 V, red/white fully assembled with external control box, weight ca. 85 kg	229291-34-103



More information

NIS-00262

To be entered on nissen-germany.com

LED-Variable Message Sign ProLine SMD

- Robust plastic housing - resists heavy use
- High visibility even in bright daylight thanks to the anti-reflective lens
- Good recognizability of the signs from almost every angle
- Variable message signs in LED technology in up to 4 colours (red, white, blue, yellow)
- Automatic brightness adjustment (continually 5-100%)
- Lighting design according to EN 12966
- Mounting by threaded bushes on the back



 Operating voltage 12/24V	 Light source LED	 LED/m² 2.500 pieces	 Dimensions housing 840 x 840 mm
 Weight about 20 kg	 LED-grid 20 mm	 LED-grid 20 mm	 LED-grid 20 mm

LED-Variable Message Sign version VarioSign ProLine SMD

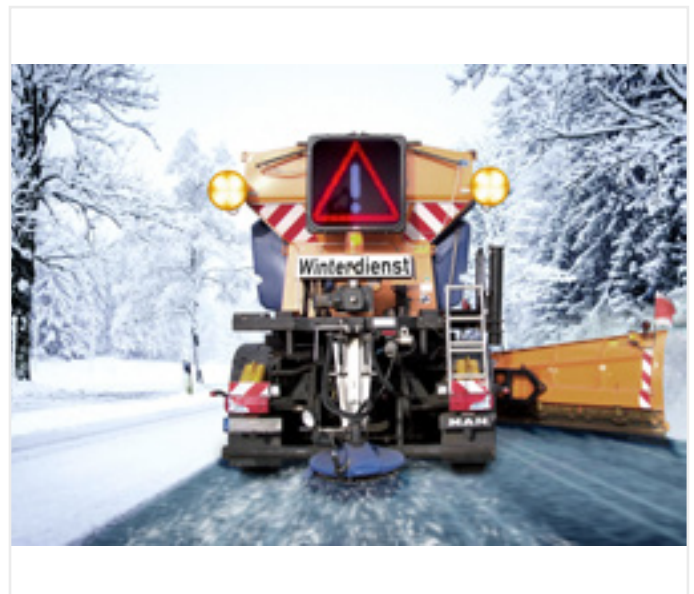
Ref. No.

LED-VMS VarioSign ProLine SMD 229290-22-213
2x2K-360, red/white, black plastic housing, width 840 x 840 mm
(Other sizes/ versions on request)

Accessories and Spare parts

Ref. No.

Remote Control Touch Remote Colour, radio/cable with charging tray, 14 m connection cable	129286-51
Eco Remote II cable remote control with 14 m cable and LP 13 holder	129266-53
Remote Control Pro Remote II (Touch) radio/cable, illuminated keypad	129266-51
Software for free programming	295500-1



More information

NIS-03063

To be entered on nissen-germany.com



Portable LED Variable Message SpeedSign



PROFILE FRAME

- For mobile use to display speeds limits of 5 to 130 km/h
- Powder-coated aluminium profile housing (AlMg3)
- With two carrying handles and pipe clamps (60 mm Ø)
- Impact-resistant anti-reflective polycarbonate front pane
- Rubber corners for protection

LED DISPLAY

- Submatrix for displaying static speed limits
- High visibility even in bright daylight through anti-reflection lens
- Good recognizability of the signs from almost every perspective and even from long distances
- Certified in compliance with EN 12966:2005+A1:2009
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual

SpeedSign

Housing size:	870 x 870 mm
LED display surface:	760 x 760 mm
Ronde Ø:	750 mm
LED/m ² :	2770

CONTROL & ELECTRICAL SYSTEM

- Manual cable control for operating all functions via one-touch keys
- 12/24 V operating voltage
- Optimized power supply for long operating times



LED Variable Message Sign Speed Sign

ACCESSORIES AND OPTIONS

- Eco-Remote II cable remote control with 14 m cable (Ref-No. 129 266-29)
- Eco-Remote II cable remote control without cable (Ref-No. 329 233-3)
- Available with a shortened cable of 1,5 m (Ref-No. 400 235-2-02)
- Optional control of three speeds via a rotary switch

Technical Data

Operating voltage	12V
Light source	LED
LED/m ²	2500
Material housing	aluminium, seawater-resistant
Dimensions housing	870 x 870 x 70 mm
Weight	16 kg

Portable LED Variable Message Sign SpeedSign

	Ref. No.
Portable LED Variable Message Sign SpeedSignSMD 750 red/ white (5-130), 12 V	229282-1



More information

NIS-00229

To be entered on nissen-germany.com

LED Variable Message Sign

WeNiPol II



PROFILE FRAME

- A perfect solution for emergency vehicles
- Stainless steel base frame
- Powder-coated aluminium housing
- Universal mounting on commercially available roof racks
- Impact-resistant anti-reflective polycarbonate front pane
- Maximum speed: in lifted position up to 80 km/h, in lowered position up to 160 km/h
- Electromotive lifting and lowering

LED DISPLAY

- Full matrix for displaying freely programmable static and dynamic texts and symbols to animations
- Good recognizability of the signs from almost every perspective and even from long distances
- Quick selection of the symbols
- Ready-to-use system
- With regard to photometric requirements, certified in compliance with EN 12966:2005+A1:2009
- Grid dimension 20 mm
- Up to four colours can be used
- Premium quality light-emitting diodes with a long service life
- Continuous brightness adjustment, automatic or manual

CONTROL & ELECTRICAL SYSTEM

- Manual cable control for operating all functions via one-touch keys
- 12 V operating voltage

ACCESSORIES AND OPTIONS

- Combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Open interface
- Caution lights
- Integrated yellow or blue LED advance warning beacons
- GPS speed sensor
- Holder for revolving beacons
- Software for free programming
- Battery guard for protection of electronics
- Programming device
- Interference suppression

Typical applications

- Police
- Fire brigade
- Technical assistance organisation
- Road and freeway administration
- Breakdown service



Technical Data

Total length	ST:1000 mm ST+/FE+: 1060 mm
Total width	920 mm
Height lowered	205 mm
Height lifted	ST:1020 mm ST+/FE+: 1080 mm
Weight	50 kg

LED Variable Message Sign WeNiPol II

	Ref. No.
WeNiPol II ProLine ST 12 V, amber fully assembled	129503-001-01
WeNiPol II ProLine ST 12 V, red/white fully assembled	129503-002-01
WeNiPol II ProLine ST+ 12 V, red/white fully assembled	129503-002-02
WeNiPol II ProLine ST+ 12 V, red/white/amber fully assembled	129503-003-02
WeNiPol II ProLine FE+ 12 V, red/white/amber fully assembled	129503-003-03
WeNiPol II ProLine FE+ 12 V, red/white/amber/blue fully assembled	129503-004-03



More information

NIS-00114

To be entered on nissan-germany.com

Roof Frame for Service Vehicles

Pamir II



DESIGN

- Housing made of glass-fibre reinforced plastic (GRP)
- Folding frame and round frame of aluminium or hot-galvanized steel
- Profile housing of the text matrix of aluminium (AlMg3)
- Profile bars for mounting on any vehicles

LIGHT ARROW / TEXT MATRIX

- Light arrow system either with 15 or 23 LED light arrow lamps certified in compliance with EN 12352
- Motor-driven lifting and lowering of the upper board, including a mechanism for mechanical emergency adjustment
- Manual cable control or combined manual radio-cable control for operating all functions via touchscreen and one-touch keys
- Freely programmable VarioSign text matrix with continuous brightness adjustment, automatic or manual to display static or dynamic texts and symbols

Housing size:	1750 x 370 mm
LED surface:	1620 x 240 mm
Number of characters:	9
Grid dimension:	15 mm
Pixels:	108 x 16
Character height:	200 mm

ELECTRICAL SYSTEM

- 12/24 V operating voltage

ACCESSORIES AND OPTIONS

- 2-fold 340 mm warning lights
- Work lights
- Revolving beacons
- Battery guard for protection of electronics



Technical Data

Total length	LP 15: 2150 mm / LP 23: 2600 mm
Total width	LP 15/23: 1760 mm
Height lowered	LP 15/23: 370 mm
Height lifted	100 kg
Weight	LP 15: 1521 mm / LP 23: 1751 mm

Roof Frame for Service Vehicles Pamir II

Ref. No.

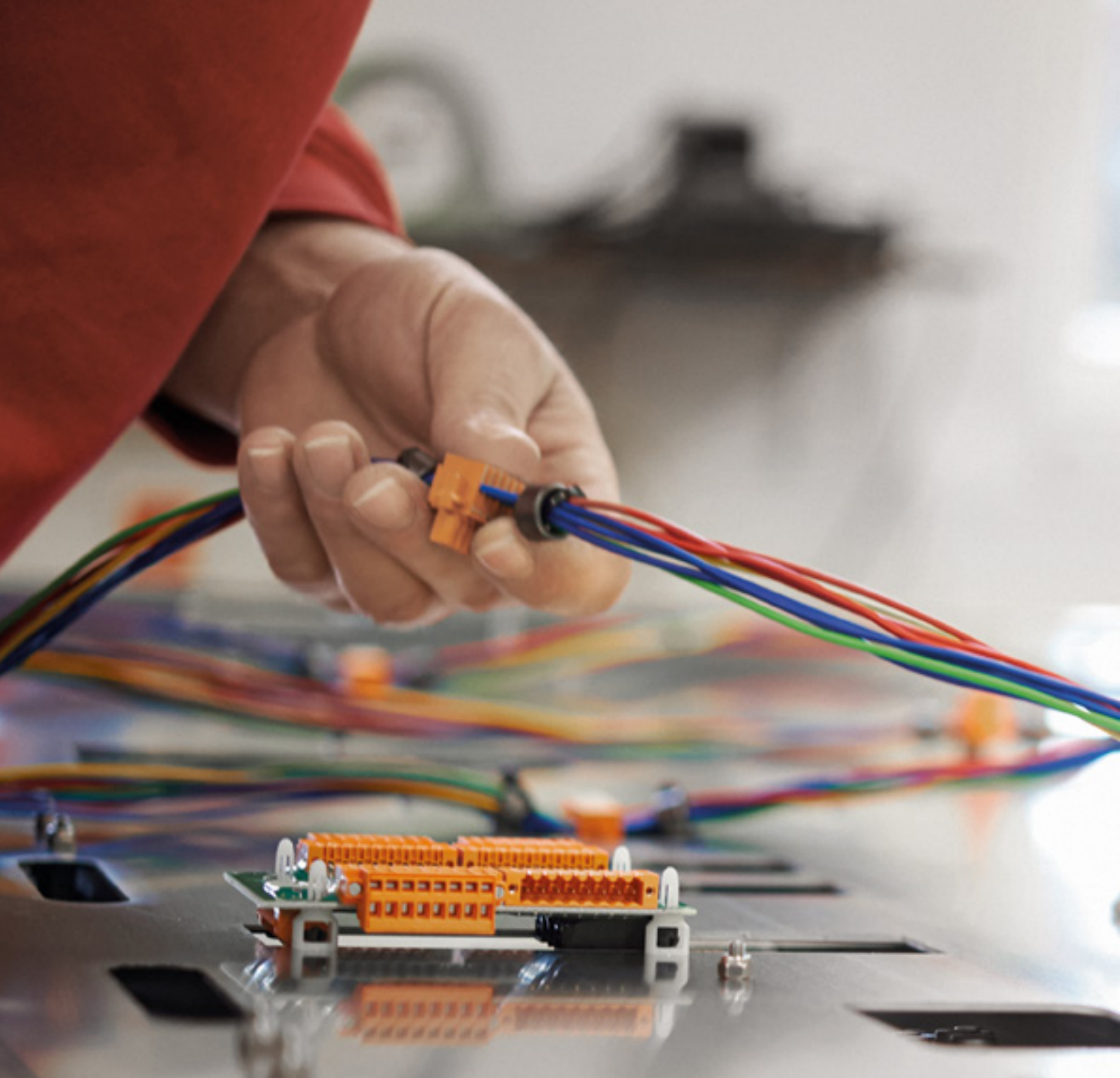
Roof Frame for Service Vehicles, 9 segments with light arrow LP 23-H/S with cable remote control Standard-Remote Dimensions: 2450 x 1710 x 390 mm	129493-001
Roof Frame for Service Vehicles, 9 segments with light arrow LP 23-H/S with radio/cable remote control Pro-Remote/Touch Remote Dimensions: 2450 x 1710 x 390 mm Further versions on request	129493-101



More information

NIS-00116

To be entered on nissan-germany.com



IMPULSES FOR THE FUTURE

From the first electrical warning lamp through to web-based software for mobile traffic management – Nissen is driving mobile traffic management technology forwards to a greater extent than practically any other company. Always with the objective of increasing safety and efficiency in parallel. See for yourself the future-oriented solutions that are already offering you real advantages today.

Mobile crash protection systems

Defender

92

DOUBLE PROTECTI

Ideal addition

- Advanced warning and/or barrier plus additional protection for personnel and traffic in one
- Can be used without great effort
- Numerous possible combinations
- Tested and standard-compliant
- Proven in many countries



ON IN ONE



Mobile crash protection systems

DEFENDER



CRASH ABSORBER

- Lightweight aluminum cushion with flexible honeycomb structure
- Corrosion-free and waterproof
- Vehicle lighting
- Tested according to CEN TS 16786
- Different paintwork in RAL colours possible
- Dimensions: 2310 x 3314 x 707 mm (W x L x H)

DOCKING STATION

- Robust steel construction
- Easy assembly with safety bolts
- 24 V hydraulic unit
- Dimensions: 2363 x 1225 x 686 mm (W x D x H)
- Forklift holder for simplified assembly

WARNING BOARD

- Warning board according to German standards, 3600 x 2200 mm
- Chevron patterned plate and directional arrow with microprismatic retroreflective foil
- Light arrow system with 2 LED advance warning lights 340 mm Ø (L9H/M according to EN12352) and 25 individually monitored LED warning lights 220 mm Ø (L8H according to EN12352) with automatic brightness adjustment.
- Directional arrow with motor revolution, mechanical emergency adjustment and automatic light arrow adjustment
- Battery guard to protect the electronics

ACCESSORIES AND OPTIONS

- Optional LED variable message signs instead of the light arrow system and / or the motorized directional arrow
- Combined cable / radio remote control with touchscreen
- Transport trolley to replace the system
- Rockinger coupling
- XXL rechargeable battery box for holding two rechargeable batteries and other accessories
- Acoustic signal transmitter for the remote control
- Control and monitoring system



Standard Remote ColourDefender in application

Technical Data

Total length	4466 mm
Total width	2366 mm
Height lowered	(Work position): 3664 mm
Height lifted	(Transport position): 3719 mm
Weight	(cushion) 350 kg (docking station) 765 kg (warning board) 300 - 400 kg

Mobile crash protection system DEFENDER

	Ref. No.
Warning board with docking station and crash cushion Defender	129741-XXX-YYY
Crash absorber	073201-XXX-YYY
Docking station	073002-002
Docking station XXL for Defender	073002-001



More information

NIS-00339

To be entered on nissan-germany.com



SINGLE SOURCE CONTROL

The uniform Nissen operating concept makes the handling of our mobile barrier and warning systems as simple as it is safe. The robust and weatherproof Touch Remote Color, for example, can be operated wired or wirelessly with Bluetooth® and is compatible with all Nissen systems.

You can operate all the functions via the large colour touchscreen and illuminated symbol keys. This makes its use intuitive and thus safe at all times. The relevant workplace can be installed in an instant.

Nissen operating concept

Touch Remote Colour	96
Standard- and Pro-Remote Colour	97
Eco- and Radio-Remote	98

Touch Remote Colour

- Large 5.7" full colour touch screen display with Automatic day/night adaptation
- multicolour LED-status indication (to show up e.g. radio operation, charging status and error signal)
- Combined cable/radio remote control
- Operation of the most important features via keypad
- Favourite combinations freely programmable via touch screen
- Functions keys freely programmable
- Useable for all Nissen systems
- max. 12 radio connections storable



Dimensions (LxWxH)
211 x 141 x 39 mm



Weight
680 g

Touch Remote Colour

Touch Remote Colour
radio/cable remote control (bluetooth) with touch screen
and illuminated keypad (without cable)

Ref. No.

329236-1

Accessories and Spare parts

Charging tray for remote control Touch Remote Colour without cable function,
2 m connection cable

329238-1

Charging tray for remote control Touch Remote Colour with cable function,
2 m connection cable with 6 pole sleeve plug

329238-11

Charging tray for remote control Touch Remote Colour without cable function,
2 m connection cable with vehicle plug

329238-2

Dashboard bracket

329238-21

Operating time with one battery set

Lithium-Ferro-Akku. 6000 mAh

Operation time: approx. 12 hrs.

Charging time batteries:

- on charging cradle: approx. 4 hrs.

- with active cable connection: approx. 8 hrs.



Connector dashboard holder



Charging tray with vehicle plug



Touch Remote in the charging tray



6 pole sleeve plug and vehicle plug



More information

NIS-00269

To be entered on nissan-germany.com

Standard and Pro Remote Colour

- Universal remote control for secure and easy operating also of complex devices via radio and cable connection
- Large operating keys with large control buttons
- 5,7" Full colour touchscreen display with automatic brightness adjustment
- Multicoloured LED status display for clear representation of the radio connection, state of charge or function monitoring



Dimensions (LxWxH)
215 x 130 x 45 mm



Weight
Standard Remote Colour: 520 g
Pro Remote Colour: 650 g

Standard and Pro Remote Colour

	Ref. No.
Standard and Pro Remote Colour	329239-1
Standard Remote cable remote control touchscreen (without accessories)	329232-3
Connecting cable remote control Pro Remote and type7000, length approx. 14 m, for WLA type A, VLT-LED and LED-VMS	052032-2

Accessories and Spare parts

	Ref. No.
Holder and charging cradle for radio remote control Pro Remote	329230-1
Holder and charging cradle for radio remote control Pro Remote with 2 pin vehicle plug	329230-12
Dashboard holder with ball joint arm for remote controls for mounting at holders	329230-21
Holder for cable remote control Standard Remote	329230-2
Holder and charging cradle for radio remote control Pro Remote 90 – 264 V AC version including adapter useable for EU, US, UK and AU	329230-11



Standard Remote Colour



Pro Remote Colour



Holder and charging cradle



Holder and charging cradle with dashboard holder



More information
NIS-02347
To be entered on nissen-germany.com

Eco and Radio Remote

- Compact remote control for secure and easy operating of devices via cable or radio connection
- Large operating keys
- Illuminated keypad
- Low weight
- LCD-Display for indication of the most important functions



Dimensions (LxWxH)
175 x 80 x 31 mm



Weight
Eco Remote: 170 g
Radio Remote: 250 g

Eco and Radio Remote

	Ref. No.
Eco Remote II cable remote control (without cable)	329233-3
Radio Remote II - Radio remote control	329235-2

Accessories and Spare parts

	Ref. No.
Bracket plate for Eco Remote	070816-1
Bracket for mounting at the dashboard	070816-2
Charging cable Radio Remote	400235-9



Remote Control Eco Remote



Remote Control Radio Remote



More information
NIS-00151
To be entered on nissen-germany.com



TOGETHER FOR YOU




Just as our developments convince you through their quality and functionality in use, we consequently ensure that you always feel well advised by Nissen. Our team of experienced and competent specialists will find a solution for all of your concerns.

Whether you ask for help from your contacts in Tönning or on-site through our internationally organized sales department - we are a team and are always there for you. What can we do next for you?



THE WAY

A CALL IS ENOUGH



Do you need a larger delivery of safety barriers at short notice? Do you want an offer for a mobile warning trailer or do you have questions about the versatility of our VarioSign LED systems? Our team in Tönning can be reached by phone and e-mail. We speak your language and handle your concerns as quickly and reliably as possible. And there is always time for a few personal sentences - we look forward to hearing from you!

GERMANY



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NISSAN™



**NO WAY
IS TOO FAR**

Discover our spectrum



As a leading developer and manufacturer in the mobile traffic management sector we can offer you the right solution for almost any application – from a folding sign to a mobile crash protection system, from equipment for emergency personnel to rapid securing.

Find out more about our products and services.

Contact us – we are happy to help!

For more information: nissen-germany.com



Imprint

Edition June 2023

Publisher

Adolf Nissen Elektrobau GmbH + Co. KG,
Friedrichstädter Chaussee 4, 25832 Tönning

Concept and design

mlv werbung GmbH, Hamburg

Disclaimer

This information is subject to technical changes and errors. Pictures can differ from the original product or accessories. All details are approximate. We supply all products without batteries or rechargeable batteries.

Important:

All products may only be installed and operated by trained personnel. Instructions for use, installation instructions and the relevant regulations must be observed strictly.

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