MINESIC100 EPS

Collision awareness and loading assistance for excavators

DRIVER ASSISTANCE SYSTEMS

SICK
Sensor Intelligence.

MINESIC100 EPS
DRIVER ASSISTANCE SYSTEMS

Technical data overview

Display	7″ touch display
Monitored area	Vehicle rear end, left, right
Warning zones	3
Areas of application	Mining
Ambient temperature, operation	–20 °C ... +50 °C
Integrated application	Driver assistance system for large mining excavators to avoid collisions with other vehicles and the highwall face
Functions	Audible and visual collision warning Loading assist Position assistance for haul trucks

Product description

The MINESIC100 EPS (Excavator Protection System) driver assistance system is a high-performance collision awareness solution for large mining excavators. It provides the operator with warnings to prevent collisions with other vehicles and the highwall face. It also assists the excavator operator with correct vehicle positioning and safe loading of haul trucks. Obstacles surrounding the excavator are indicated on a display. The operator receives visual and audible warnings in advance to ensure appropriate safety distances are maintained. This ensures that the operator can both maneuver the vehicle efficiently and safely and complete loading operations accurately.

At a glance

- Provides the operator with warnings to prevent collisions with other vehicles and the highwall face
- Position and loading assistance for excavator and haul truck operators
- Vehicle and wall outlines are displayed on a touchscreen
- Configurable safety distances and warning fields
- Event logging and monitoring of system status

Your benefits

- Prevention of collisions resulting in reduced repair costs and downtime
- Excellent excavator availability enables smooth and efficient loading
- Detection and tracking of moving and stationary obstacles without the need for RFID tags
- Integrated installation wizard simplifies installation and operation
- Self-diagnostics function makes system maintenance easy

Fields of application

- Collision protection for large mining excavators

Ordering information

Other models and accessories ➜ www.sick.com/MINESIC100_EPS

Integrated application	Items supplied	Type	Part no.
Driver assistance system for large mining excavators to avoid collisions with other vehicles and the highwall face	3D LiDAR sensor LD-MRS HD Left 3D LiDAR sensor LD-MRS HD Right Operator display Mounting set for operator display Mounting kit with shock mount for LD-MRS HD (2 x) Control cabinet Buzzer GPS receiver USB stick with operating instructions Ethernet connection cable for LD-MRS HD (2 x) Ethernet connection cable for display Power supply cable for LD-MRS (2 x) Connecting cables for operator display	EPS-10000	1054156

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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