LATRONIX
Laser Systems

NEWS

TruckLaser for Paper Roll Clamps

TruckLaser reduces handling damages

TruckLaser is specially designed for use in paper roll clamps.

Each TruckLaser projects a sharp, red line on the paper roll. This helps the truck driver to see how the clamp grips the roll.

By means of TruckLaser the clamp is directed in an efficient manner and by that handling damages at edges and other parts of the rolls are avoided during loading and reloading.

Possibilities with TruckLaser

- generates a straight and sharp, visible laser line with 635nm (light red) wavelength.
- is obtained with 60° or 90° line optics.
- gets input power from a separate battery or from the power system of the truck (12V DC or 24V DC)
- has a push button in the driver's cab for switching on/off.
- can be obtained with radio communication between laser and control unit for cable free applications.
- has a compact and sturdy design for use in tough industrial environments.
- fits to clamps of all manufactures.
- increases the efficiency of the handling of paper rolls.
- reduces the handling time.
- reduces the number of handling damages.

TRC mounted vertically

Placing

TruckLaser is installed at a suitable location on the clamp. The laser line directed towards the paper roll shows e.g. the centre of the clamp relative to the roll or where the upper or the lower part of the grip is placed on the paper roll. By judging easily, accurately and quickly where the grip is placed the risk of handling damages is reduced. If needed more than one laser can be mounted on the same clamp.

Radio communication

TruckLaser can be switched on and off with a flashing or a steady light line by remote control (radio frequency 868.35MHz in European coutries, 916.5MHz in the USA).

Easy to use

The laser is operated by a push button in the driver's cab. After a preset time which can easily be chosen by the user (e.g. 30sec. or 1min) the laser is switched off automatically. The communication with the system can be from the driver's cab via radio link.

Summary of truck lasers

Model	TRC3-635L	TRC6-635L	TRC12-635L	TRC18-635L
Beam power	3mW	6mW	12mW	18mW
Divergence (length of line)	60° or 90°			
Input power	separate from batteries or from the power system of the truck			
Encapsulation	IP62			
CE-marking	EMC standard class 4			
Ambient temperature	-20° to +40°C			
Typical life time at 25°C	30.000 to 40.000 hrs			
Dimensions TRC truck laser control unit and batteries	 110 x 30 x 25mm 180 x 80 x 55mm			

Options for all the models

- Battery power supply: rechargeable battery package 4.8V 1200mA, inclusive of battery charger.
- Remote control of the laser unit: RF-emitter/receiver for on/off function and for changing between steady and flashing laser line. Also including adjustable timer of automatic switching off of the laser light.
- Timer for automatic switching off of the laser (1 - 105s).
- Changing between steady and flashing laser line.
- Bracket for TruckLaser TRC.

RF receiver, control unit and battery package

Other products for trucks

Laser system sensing the level when handling the paper rolls near the floor

The system consists of a laser and a light detector. The laser emits a light beam parallel to the floor. When a paper roll is being lowered down towards the floor the laser beam makes a light spot on the roll when the lower end surface of the roll comes to the preset level above the floor. The light spot near the edge of the roll is detected by the light detector which switches on a red warning lamp in the driver's cab. The system is activated by a push button. All the communication is done by radio link. The laser system is used to avoid handling damages on the paper rolls.

Level detector

Camera system for trucks

The camera system consists of a black/withe camera, a 5.5" monitor and a 15m long cable. The system is installed in various types of trucks and is used e.g. when the driver has insufficient view backwards or upwards. Two cameras can be connected to the same monitor. By pressing a button the camera image can be mirror-inverted.

Camera system

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LATRONIX AB
Enhagsvägen 9
187 40 Täby, Sweden

Phone: +46-8-446 48 30
Fax: +46-8-446 48 39

e-mail: sales@latronix.se
www.latronix.se