

# ELoDistance

> Distance Control System



- > SAFE STACKING OF THE LOAD  
UNDER DIFFERENT  
PALETTE/CRATE SIZES
- > PREVENTION OF DAMAGE TO GOODS
- > NO FALLING DOWN OF GOODS
- > CONSIDERABLE RISK MINIMIZATION





## WITH THE NEW ELODISTANCE YOU CAN MAKE DAMAGE HARMLESS

Did you know that a forklift truck travels an average of about 380 kilometers per week in the factory? That is a long route – a lot can happen along it. Unexpected and not hoped for. That is high stress for the man, the machine and the technology. And the factor "Safety" is becoming more and more important, since, according to an investigation by the Berufsgenossenschaft (professional guild) Nordrhein-Westfalen (North Rhein-Westfalia) in Cologne in March 2005, the occurrences of damage are increasing continuously. **Only with safe, easy-to-operate forklift trucks is it possible for drivers to work safely and effectively for a whole day without causing damage.** Every year, hundreds of serious and avoidable accidents take place in Germany while using forklift trucks. Thus, e.g. tipping over of the forklift or the dropping of the load causes the most serious accidents according to statistics. To reduce the risk of accidents in advance, ELOKON has developed a solution for this problem.

### MORE SAFETY THROUGH INNOVATIVE AND INTELLIGENT TECHNOLOGY

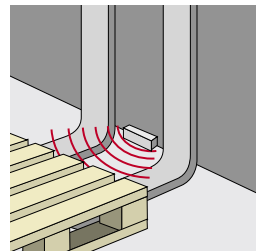
The **ELOdistance** – Distance-Control-System – measured by the ELOKON company is a measurement and display system for distances between the rear of the fork and the goods being taken on. It supports the driver, while picking up the load, in the blind spots, if, when lifting the load, the retraction must not be up to the rear of the fork.

The classical application is e.g. the lateral pickup from Europalettes in the block stores, as well as for handling skeleton containers and metal boxes of different shapes and sizes. Excessive penetration with the fork can result in damage of the goods stored behind and often in the falling over of a complete loading unit. In the case of low-stroke commissioning, wrong positioning during lateral pickup of pallets often results in their getting destroyed. And in the case of doubly long forks as well as when picking up only one palette from the block, an incorrectly set position on the forks can result.



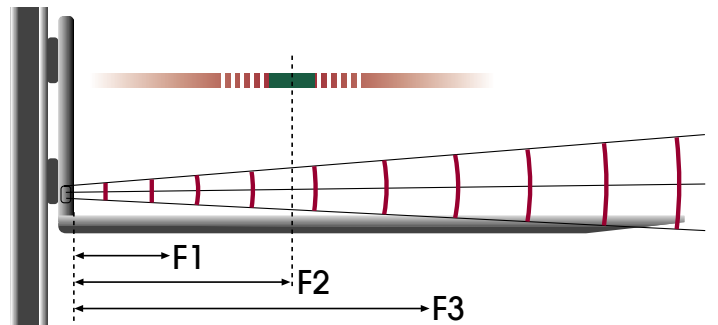
Correct position

### ELECTRONICS FOR BEST OPERATING COMFORT



A sensor, which can be installed on the rear of the fork, continuously determines the distance of the rear of the fork to the goods to be picked up or lowered. The operating and display unit installed within the field of vision of the operator supports the user in the pickup of the load and helps the user - this is almost as easy as child's play - to reach the correct approach position.

Clear arrow symbols for forward and backwards driving as well as a bar when the position has been taken up successfully give the driver the certainty of being able to pick up the goods without damaging them and without the danger of tipping over. Up to three target distances can be adjusted individually at the site and can be parameterized using the function keys. The sensor is suitable for all kinds of loading aids as well as for any deployment both in the inner and the outer area.



Indication of distance F2

#### THIS IS WHAT THE ELOdistance ARCHIVES

- > Safe picking up of different load sizes
- > Preventing damage to the goods
- > No falling off of goods
- > No destruction of pallets in case of wrong gripping and pick-up
- > No loss of time owing to repacking
- > Minimization of cases in which damage occurs

#### THAT IS WHAT THE ELOdistance OFFERS

- > Simple installation
- > Can be installed on all types of vehicles
- > Simple reaching of the correct pick-up position
- > Wear-free and durable
- > Suitable for external use and use in deep-freeze applications

## OVERVIEW, INSPECTION AND SECURING OF GOODS



With the optical depiction on the **ELOdistance** display – apart from the simple determination of the set (desired) distances – the user is continuously shown the remaining distances between the rear of the fork and the goods. Alternatively, the driver recognizes the penetrati-

on depth in relation to the tip of the fork and can thus make out any danger points immediately. This is particularly advisable if many different distances are to be perfectly maintained. Right from the maximum range of the sensor, the distance is indicated to the operator very visibly and exact to the millimeter. Powerful, 14 mm high LED indicators also provide glare-free and impeccable (over)view even when used outdoors.

## THE LIGHTWEIGHT IS EASILY MOUNTED

The **ELOdistance** is mounted by means of two screws at a location that is easily accessible for the operator in the standard range of view. The electrical connection is provided from the vehicle's supply after the ignition lock. The sensor must be installed on the fork support above the fork and aligned parallel to the fork. Protection from fire is achieved by means of an especially flat structural shape and the accompanying protecting housing. In the case of lowstroke commissioning, the signal transmission takes place directly by means of the cable included in the supplied kit; in the case of vehicles with a variable fork height (highstroke commissioner, front stacker, reach forklift truck), through additional cable carriers (3-conductor, not included in the supplied kit).



## SAFETY AND COMFORT AT THE TOUCH OF A BUTTON

The measurement distances can be set and fixed at client site. With the control keys up to three different target distances are parametrizable, directly at the goods by the simple touch of a button. Thus customisations to different measurements of the goods to be taken are very easy.

The control can be done without the slightest effort just by pressing the particular F-button for the desired target distance. Goods and loads cannot be placed more precisely.

## ELOdistance OFFERS DIFFERENT POSSIBILITIES FOR APPLICATION



Lateral pickup, Europalette (truck – palette damage)



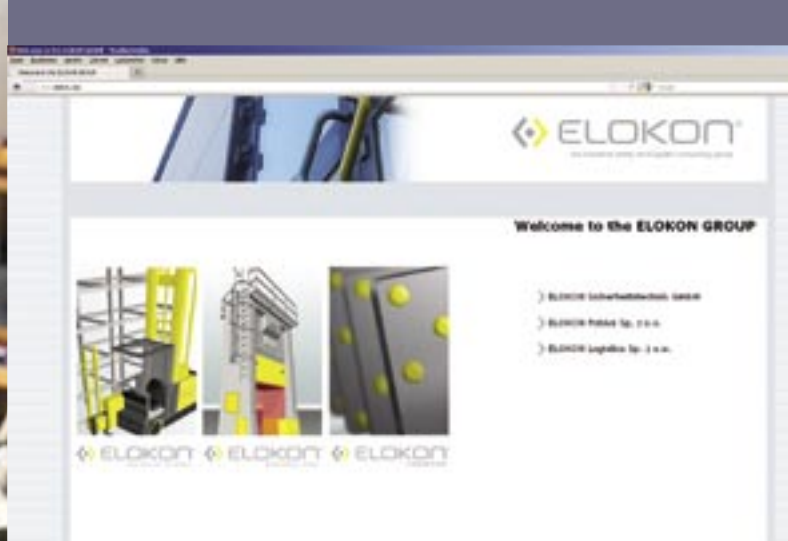
2-X fork (correct pick-up of a palette)



1500X fork and Europalette



1200X fork and lateral Europalette or skeleton container



**THE ELODISTANCE CANNOT DO EVERYTHING, BUT A GREAT DEAL!**

## TECHNICAL DATA ELOdistance

(Mechanical)	ELOdistance display and operating unit	ELOdistance sensor	ELOdistance display
<b>Housing:</b>	Aluminium, black	Polycarbonate	Aluminium, black
<b>Dimensions:</b>	185 x 60 x 58 mm	50 x 100 x 25 mm	120 x 100 x 25 mm
<b>Weight:</b>	510 g	200 g	360 g
<b>Protection class:</b>	IP 65	IP 65	IP 65
<b>Temperature range:</b>	-30 °C to +60 °C	-25 °C to +60 °C	-30 °C to +60 °C
(Elektric)			
<b>Supply voltage:</b>	12 V to 48 DCV (+/- 20 %)	provided through ELOdistance	provided through ELOdistance
<b>Green:</b>	-30 to +30 mm		
<b>Red (flashing):</b>	-100 to -30 mm, 30 to 100 mm		
<b>Red (continuous)</b>	-∞ to -100 mm / 100 mm to +∞		

## SUPPLY KIT ELOdistance (Standard)

- > ELOdistance Display and operating unit incl. 2 m connecting cable,
- > 1 measurement distance (F1 key)
- > ELOdistance-sensor
- > Protective casing, ELOdistance-sensor
- > Operating Manual

## EXTENSIONS AND ACCESSORIES

- > 2 measurement distances (F1/F2 buttons)
- > 3 measurement distances (F1/F2/F3 keys)
- > DCS-display, 5-digit numerical LCD-display
- > 5 m cable carrier
- > 10 m cable carrier
- > Deflection pulley for dragging control
- > Tension spring for cable carrier
- > Cable terminal for tension spring
- > Mast holder for tension spring

**More information on the  
ELOdistance can of course be  
found at [www.elokon.com](http://www.elokon.com)**

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