

RAVAS-SafeLoad

Weight and stability indication for forklift trucks



BENEFITS

- Warning against tipping over or overloading forks
- Provides weight and stability indication
- Sensitive to weight, load centre point and mast tilt angle
- Can be installed on any lift truck (retrofit)
- Buzzer and red LED backlight during overload
- Data logger functionality

Top quality
For safe handling



RAVAS

FUNCTIONS

- LED Load bar indicates truck stability
- Continuous weight measurement in first and second mast stage
- Continuous load-moment/stability measurement
- Buzzer and red LED backlight during overload
- Logging of overloads (Bluetooth data transfer to laptop or PC)
- Optional: height sensor in release 2017

HOW RAVAS-SafeLoad WORKS

The RAVAS-SafeLoad uses a pressure sensor to measure the hydraulic pressure in the lifting circuit of the truck. Additionally two sensors measure the stress in certain steel parts of the truck, caused by the weight of the load, the moment forces from load centre position and the mast tilt. The two stress sensors can be bolted or stud-welded onto the truck's chassis or mast. All these inputs are centrally processed by the RAVAS weight indicator and presented by means of a LED bar and a LCD display.

The LED bar below the LCD weight display goes from green (safe lifting), via yellow, to red (unsafe lifting: risk of tipping over). The LED bar stability indication is enhanced by the colour of the weight display (green backlight: safe situations, red backlight: unsafe situations)

Note: side stability is not monitored or displayed.

STANDARD SPECIFICATIONS

- Capacity: equal to lifting capacity of the truck
- Graduation: 50 kg steps (for trucks with Q max 2500 kg)
- System tolerance weighing: 2% of system capacity
- System tolerance load control: +/-5%
- Display: LCD, 2 color Backlight
- Protection class: IP65
- Wireless data transfer: Bluetooth for logged data
- Also works in combination with forklift attachments

The RAVAS-SafeLoad is an aftermarket product that can be installed on any make and model counterbalanced truck and reach truck. It functions as an interactive load diagram that continuously advises the driver about the stability of his truck in the current lifting situation, and warns him when the lifting is considered unsafe.

For the RAVAS-SafeLoad a patent is pending.

SafeLoad Manager (Option)

Windows 10 based PC software for uploading logged data from your RAVAS-SafeLoad, via Bluetooth 4.0 wireless transfer.



Safe loading situation



Overload situation: tip loading



Overload situation: load too heavy

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