

RAVAS RCS

HYDRAULIC WEIGHING SYSTEM



**BASIC
WEIGHING SYSTEM
FOR FORKLIFTS**

Functions:

- Capacity 2500 kg, 5000 kg or 10000 kg
- Automatic and manual zero correction
- Gross / net weighing
- Automatic tare and manual tare weight entry
- Adding up multiple weighings with sequence number
- Error messages in display
- 300% overload protection

ROUGH, OIL PRESSURE BASED, WEIGHT DETERMINATION FOR ALL HIGH LIFTING LIFT TRUCKS

SUITABLE FOR ROUGH DETERMINING OF SHIPPING WEIGHTS AND PREVENTING OVERLOADING

PRESSURE SENSOR INTEGRATED IN THE LINES OF THE OF THE MAST'S HYDRAULIC CIRCUIT

THE OILPRESSURE SENSOR IS NOT SENSITIVE TO ANY MECHANICAL FORCE, WHICH MAKES THE SYSTEM VIRTUALLY FREE OF WEAR AND TEAR

USER FRIENDLY INDICATOR IN A COMPACT, INDUSTRIAL AND WATERTIGHT ENCLOSURE

SIMPLE INSTALLATION, CAN BE INSTALLED ON SITE

RAVAS

Tolerances:

CAPACITY LIFT TRUCK	MAXIMUM ERROR *
1200 kg :	50 kg
1600 kg :	50 kg
2000 kg :	50 kg
2500 kg :	50 kg
3000 kg :	100 kg
4500 kg :	100 kg
7500 kg :	200 kg
10000 kg :	200 kg

*Maximum deviation for each applied weight.

Method:

Weighing with an RCS-system always needs to be executed at the reference point of the lift truck's mast. This reference point consists of two arrow-shaped stickers of which one is on the forklifts carriage and the other one is on the mast. The point where both arrows point directly at each other is the reference point on which to perform the weighing.

The operator picks up a load and weighs it or let's it drop to just above the reference point. Now the operator slowly descends the load to the reference point and stops the descend, the two arrows point towards each other. The 2100 indicator now calculates the weight and shows it on the display after 3 seconds.

Specifications:

Maximum error :	2% of the scale capacity, see the table for details
Graduation :	10 kg steps at 2500 kg capacity 20 kg steps at 5000 kg capacity 50 kg steps at 10000 kg capacity
Scale capacity :	standard maximum 10000 kg
Display :	LCD, 18 mm digit height
Function keys :	3 buttons, on/off-button
Protection rating :	indicator housing IP65 - NEMA 4
Indicator mounting :	adjustable bracket
Power :	indicator batteries 4 x 1,5V / 1,2 Ah AA
Operating time :	1 year on average use
Delivery :	in a parcel, ready for installation and calibration



RCS system package:

- Oil pressure sensor, cable connected to the indicator
- Sealing ring for a leak-free installation of the sensor
- Indicator 2100, 4 AA batteries and mounting bracket
- Indication stickers for reference height
- Mounting and calibration instructions
- Manual

Standard options:

- Compact thermal printer, separately mounted and only in combination with fixed 12 Volt indicator power. Weights less than 20 divisions cannot be printed
- Matrix printer, separately mounted and only in combination with fixed 12 Volt indicator power. Weights less than 20 divisions cannot be printed
- Indicator power from the truck battery by means of:
Internal converter 100V - 12V for AC-trucks
Internal stabilizer 12 - 12V for combustion trucks
- Indicator power by means of a 12 Volt exchangeable and rechargeable battery. For this option the indicator will be supplied in a different enclosure with integrated battery solution and a separate battery charger.



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