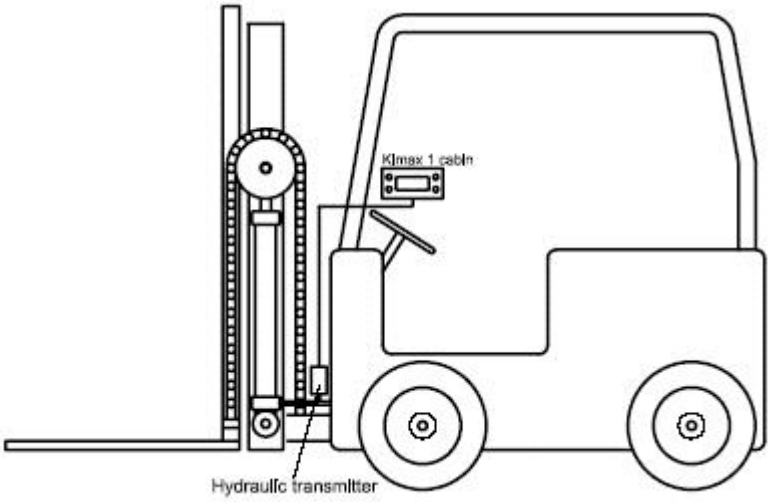
Hydraulic suspension

How it works

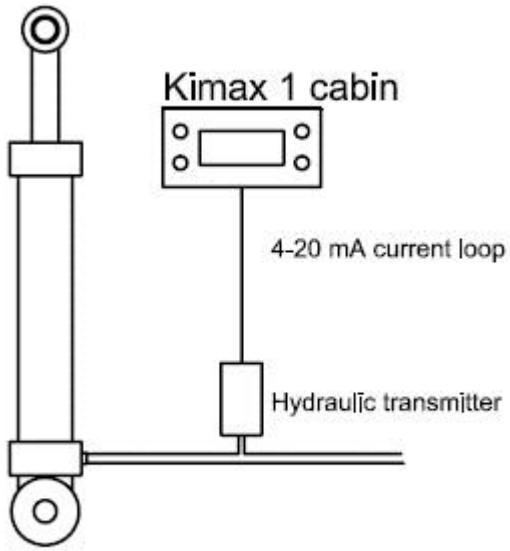
The hydraulic transmitter must be located close to the lifting cylinders in order to achieve the best accuracy and the fastest response time.



Hydraulic forklift

Most industrial forklift trucks are built up of one or more hydraulic cylinders for lifting forks.

A simple method for measuring the weight of the load we carry on the forks, it is to measure the current oil pressure in the lift cylinder. The accuracy of this method may be expected to be 1 - 2% of max load the truck.

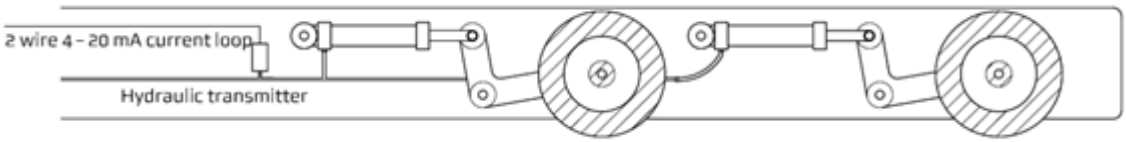


You get the best accuracy, when the hydraulic transmitter is installed close to the inlet for the lifting cylinda.

Short distance between hydraulic transmitter and the inlet for the hydraulic cylinda, ensure you fast response time of the measurements and best accuracy.

To reduce the influence of friction between the cylinder wall and the seals on the piston can have on the measurements, we recommend that forks first lifted above and subsequently lowered slowly to a certain height above the floor at each measurement.

Lowbed trailers for heavy load transport are often equipped with hydraulic suspension. Typical trailers have 4 or more axles. The axles can be grouped in one or more hydralic circuits.



Each hydraulic circuit must be equipped with one hydraulic transmitter.

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