

FAIRBANKS® S C A L E S



FH & FHX SERIES HYDRAULIC FORKLIFT WEIGHING SYSTEMS

Fairbanks offers hydraulic load indication systems for a variety of forklift applications, from general check weighing for warehouse racking, to capturing high accuracy weighments for shipping.

Hydraulic Forklift Weighing Systems

• FOR FORKLIFTS WITH CAPACITIES UP TO 20,000 LBS • NON-COMMERCIAL APPLICATIONS ONLY

FH Series

Primary Applications:
General Check Weighing and Overload Indication

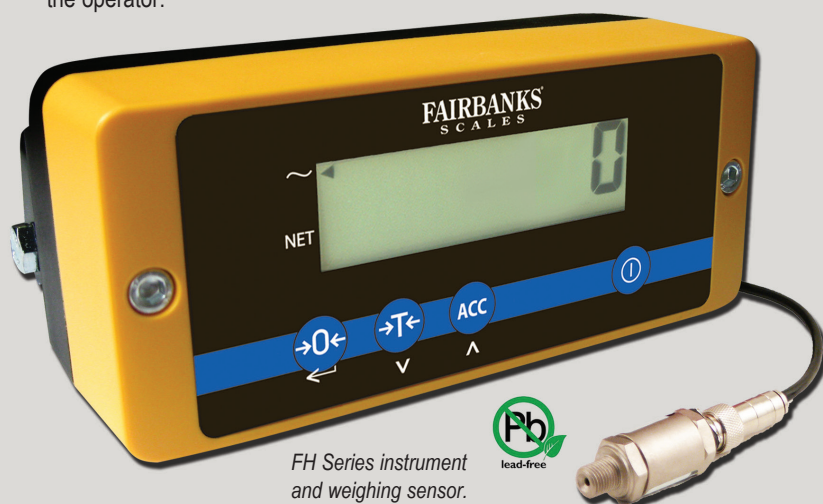


The operator follows a simple process of raising and lowering the carriage to capture a weight that's within 2% of the forklift's weighing capacity.

BASIC OPERATING INSTRUCTIONS

The operator picks up a load and lifts it to a height just above a visual reference arrow that's placed on the forklift mast during system installation (image above). The operator then gently lowers the load and stops when the carriage arrow and mast arrow are aligned (image right).

The instrument then calculates the weight and, after three seconds, displays it for the operator.



FH Series instrument and weighing sensor.



The FH Series is a top quality basic weighing system for hydraulic forklifts. The system is attractively priced and most often used to check weigh goods for overload as the goods are moved onto transport trucks or warehouse racks. The FH Series is easy to install, suitable for rough applications and is compatible with hydraulic forklifts with capacities up to 20,000 lbs.

HOW THE SYSTEM WORKS

The FH Series weighing sensor is coupled to the forklift's hydraulic line to detect changes in oil pressure caused by load on the forks. The sensor sends pressure data to the FH Series instrument that's been installed in the forklift's cabin. The instrument translates the data and displays it as a weight in pounds or kilograms.



SYSTEM COMPONENTS

- Instrument and instrument mounting bracket
- Weighing sensor
- Sealing ring
- Lifting height reference mark stickers
- Printer systems optional

INSTRUMENT FUNCTIONS

- Automatic and manual zero correction
- Gross/net weighing
- Summing
- Error messages shown in display
- Automatic power savings (3 minutes with no activity)
- Low battery indication in display
- Weighs in pounds (default) or kilograms

FHX Series

Primary Applications: High Accuracy Weighing and Overload Indication, Weighing with a Rotator or Clamp

The FHX Series is a high accuracy weighing system for hydraulic forklifts and reach trucks. The system is most often used for check weighing, tare weighing, general weighing and with forklifts accessorized with a roll clamp or rotator. The FHX offers easy, cost-efficient installation and is compatible with hydraulic trucks that have capacities up to 20,000 lbs.

HOW THE SYSTEM WORKS

Speed sensors are mounted against the truck's mast to measure the lifting and lowering speed of the forks. As the loaded forks pass the trajectory between the speed sensors, the weighing sensor takes approximately a thousand samples of the forklift's hydraulic pressure. The instrument analyzes the samples and calculates the average value into a weight.

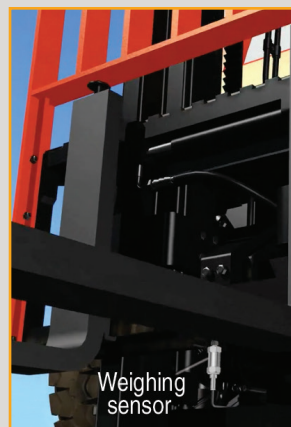
Because weight samples are captured as the load is raised and then lowered within a predefined speed bandwidth, influences from asymmetrical friction in the mast (as may happen with eccentric load centerpoints) are averaged, making the FHX Series highly accurate and suitable for use in combination with (paper roll) clamps and rotators.

SYSTEM COMPONENTS

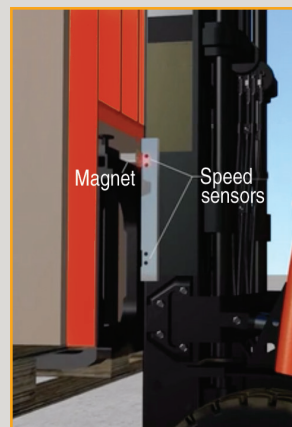
- Weighing sensor
- Instrument with intuitive graphic display (and mounting bracket)
- Two speed sensors that are embedded in a foot-long, rectangular, aluminum housing - mounts on the forklift mast
- One magnet that mounts on the carriage plate and works in conjunction with the speed sensors
- Printer systems optional

INSTRUMENT FUNCTIONS

- Total function with five separate registers that can be named by the operator. Name length maximum is 16 alphanumeric characters
- Gross/net (by tare weighing or preset tare entry)
- Overload indication, based on actual hydraulic pressure, not on calculated weight
- Manual zero correction
- Self-learning zero correction
- Error messages shown on display
- Weighs in pounds (default) or kilograms



Mounted Weighing Sensor



Mounted Speed Sensors



FHX Series instrument, weighing sensor, speed sensors and magnet.

