

SENSATA SOLUTIONS FOR FORK TRUCK MAST HEIGHT

Background

Hoisting loads with a fork truck might seem like a simple task, but there are a lot of ways it can go wrong. Skilled operators make it look easy, but they are constantly balancing load weight and height above the floor with speed and turn radius while moving. They also need to be experts at positioning the forks properly when it is often hard to get a clear sightline to the pallet. It takes quite a bit of experience to do the job well and efficiently.

A Draw Wire Encoder can help take some of the risk out of fork truck operation.

Solution

Sensata-BEI Sensors can help the Fork Truck operator work more effectively. By using a Draw Wire Encoder to monitor the fork height, the operator gains advantages with speed optimization and avoidance of tip overs and potential crashes. Speed of operation is limited by the load weight and height. With Draw Wire feedback, operating speed can be safely optimized over a wide range while reducing the risk of a tip-over. In addition, it is common to have level changes throughout a warehouse, and maintaining the forks at the right height for each section avoids crashes with objects at ceiling height during transitions. Using a Draw Wire Encoder for mast height aids in promoting safety and risk removal when operating a Fork Truck.



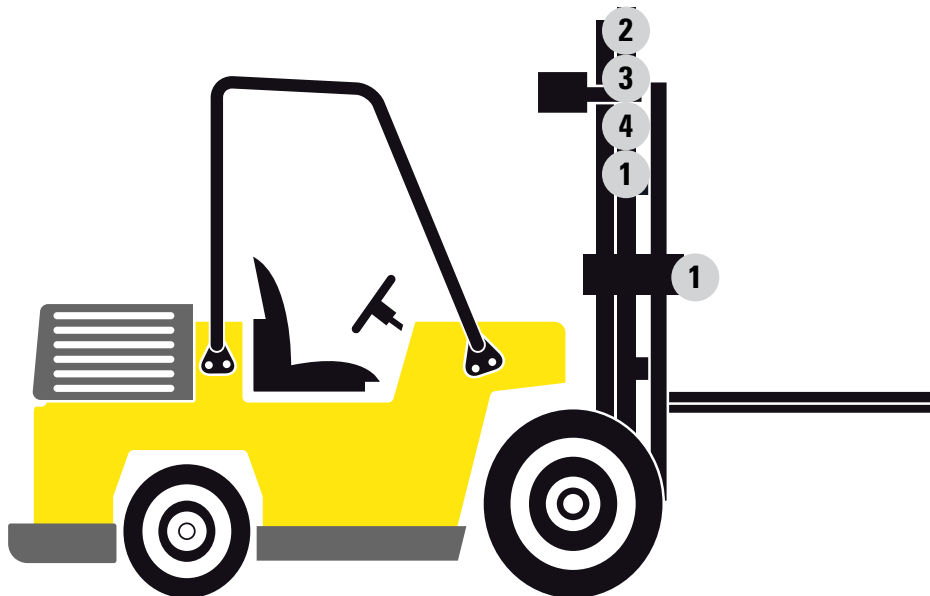


RECOMMENDED PRODUCTS

Reference on Diagram	Product	Type	Features	Function	Brand	
1		Custom	Draw-Wire Encoder	Up to 33' (10m) length	• Mast Height Fork Opening & Measurement (Compact, CAN)	BEI Sensors
2		CD120	Draw-Wire Encoder	Up to 10' (3m) length Up	• Mast Height Measurement	BEI Sensors
3		CD150	Draw-Wire Encoder	Up to 19.7' (6m) length	• Mast Height Measurement (Analog)	BEI Sensors
4		CDS12	Draw-Wire Encoder	Up to 49.2' (15m) length	• Mast Height Measurement (Analog)	BEI Sensors



MAST HEIGHT AND FORK OPENING



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