

## Work safely by detecting deflection with the **KOOI® Deflection-System**

KOOI®Deflection-System is a smart device that helps the forklift driver to level the forks horizontally. It is extremely useful for applications such as double-deep pallet storage. If a load is moved forward with a reach attachment like telescopic forks or a pantograph, it will show the entire tilt. Means, it includes the deflection of the attachment, mast and even the compression of the tires.

The forklift driver often has no idea how much this deflection is, because this operation takes place out of sight of the driver. The sensor in the KOOI® Deflection-System informs the driver how much deflection must be compensated by the tilting function of the forklift (mast or fork carriage tilt). In this way a safe working method is created and the load remains horizontal on the pallet, thereby preventing damage to pallets, rack and/or decking material.



KOOI®Deflection-System is a small sensor which is mounted completely inside the nose of the telescopic forks. Because it is completely enclosed in the front of the KOOI®ReachForks, the sensor cannot be damaged and shows the maximum deflection. The sensor works via Bluetooth® and can easily be replaced if necessary.

The sensor can to be integrated into standard lift truck forks, but only on request because the position and strength have to be calculated.

### Features

- Completely integrated and protected inside fork tip
- Measures the tilt of the entire construction
- Simple to calibrate
- Display via a small monitor or a standard smart phone (Android™, iOS)
- Bluetooth signal powered by a replaceable battery
- One year warranty

### Specifications

- Uses 1x replaceable 'A'-size battery 3.3 Volts
- Accurate to within 0.25 of a degree
- Installation dimensions 67x77x27 mm / 2.63x3.03x1.06 Inch (WxLxH)
- Operating temperature range -30°C to +50°C / -22°F to +122°F
- Ingress Protection IP67
- Housed in plastic casing
- CE Directive 2006/42/EC

### Benefits

- Get started quickly: no tools, no wires
- Shows you when the load is horizontal
- Average battery life: one year (1600 hours)
- Zero maintenance

