

## APPLICATION

This mobile measuring system is used for quantity control to ensure the correct tank truck delivery of diesel at the end customer's tank farm. The high accuracy class of the oval wheel meter ( $< \pm 0.3\%$ ), which is installed in the mobile measuring system, plays an important role.

## DESCRIPTION OF THE MEASURING SYSTEM

The system is mounted on a handcart with pneumatic tyres. At the inlet and outlet there are tank truck couplings as well as one sight glass and one manual butterfly valve each. A Y-filter protects the measuring system from contamination. For weight reasons, an oval wheel meter made of aluminium is used as a counter. On request, this can be equipped with a mechanical roller counter M5B with receipt printer. Both sides of the mobile measuring system are equipped with grounding rollers and grounding clamps executed. As weather protection a 5 mm aluminium plate was put on, which can also serve as a shelf. Hose brackets were attached on both sides.

## DESIGN OF THE MEASURING SYSTEM

- TKW - Coupling for connection to the storage tanks or tank tapping points
- Y-Filter
- Sight glasses
- Manual butterfly valves
- Oval wheel meter made of aluminium (low weight, high accuracy class  $< \pm 0.3\%$ )
- PN10 / DN65 with roller counter type M5B

## SPECIAL FEATURES

Two measuring systems of this type are already in use at the same location.  
The measurement is very accurate and does not require any auxiliary energy.  
These are the strengths and advantages of our oval wheel meter.  
We plan and manufacture such systems individually according to customer requirements

