

# Visual Level Indicators VLI

**WEKA**



Certified according  
ISO 9001:2000



Certified according  
PED 97/23/EC



Certified according  
ATEX 94/9/EC

# Principles of design

## ● Single-pole Magnet System

The WEKA VLI operating principle is based on the use of a permanent bar magnet system which ensures the safe and reliable activation of visual indication elements (flags), switches and transmitters, even when used on thick-wall high-pressure indicator pipe.

## ● Magnetic Guide Tape

The patented magnetic guide tape is integrated within the indicator rail to ensure the float bar magnet is always aligned like a compass needle to the polarized flags and switches. This ensures continuous reliability of the indicating, switching and transmitter control functions.

## ● Magnetic Coupling

Every flag of the WEKA indication rail is equipped with its own permanent magnet. Thus the indication flags magnetically interlock with each other and so are kept in a stable position. The patented guide tape further enhances performance through the magnetic damping effect that produces safe and reliable indication of liquid level, even under difficult applications with rapidly changing liquid levels or vibrations.

## ● Temperature Stability

The magnetic materials used in the WEKA System have been selected for optimum performance even at extreme temperatures. Years of experience have proven our preconditioning of components ensures negligible degradation of magnetic flux.

## ● Compact Design

The low weight of the WEKA bar magnet permits the use of lightweight hermetically sealed floats. Compact in size, the WEKA floats ensure the highest possible diameter difference between float OD and tube ID – an important advantage when dirty or highly viscous liquids need to be measured. The short float design also often enables a larger indication range than competitive products.

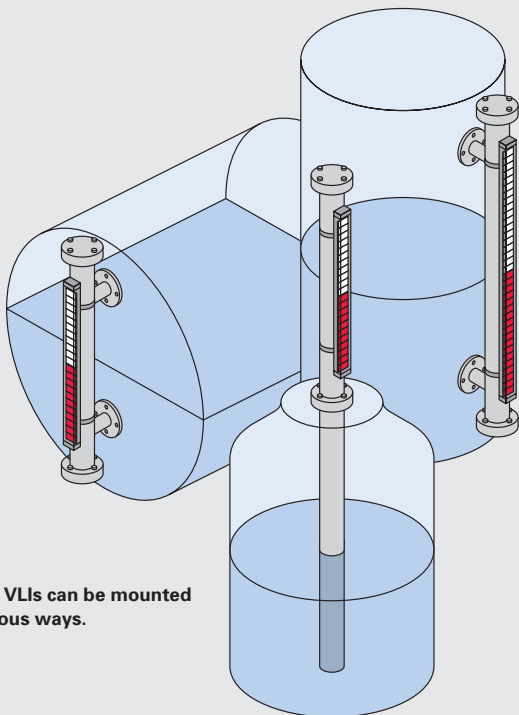
## ● Multi-functional:

### Three functions in one system!

- Level indicator
- Level switch
- Level transmitter



Diverse float types are available for the different applications.



WEKA VLIs can be mounted in various ways.

