



Pressure | Level

# Drinking water treatment

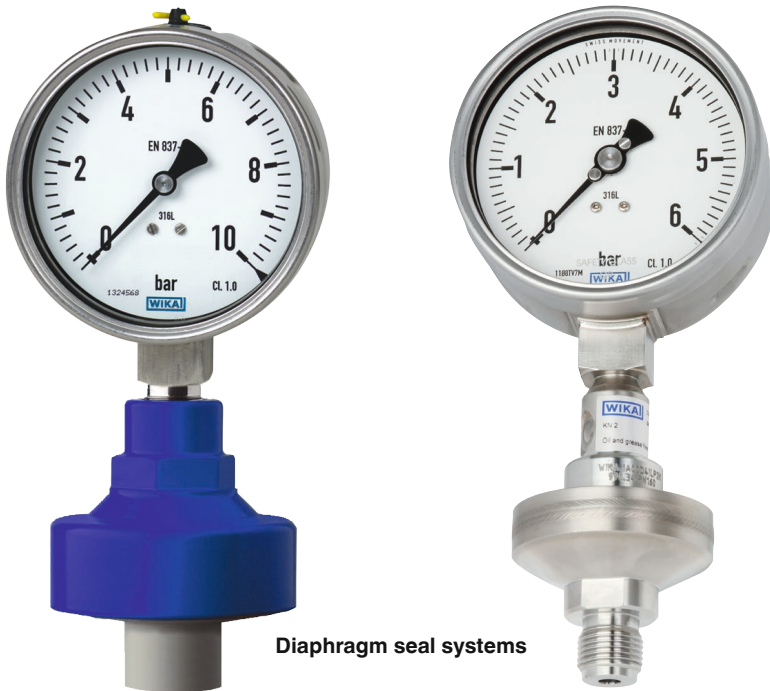


Smart in sensing

# Drinking water treatment

Drinking water is obtained from the widest variety of sources: groundwater, rain water and so-called surface water (particularly from rivers and lakes, but increasingly also from the sea). The treatment includes processes such as filtration, desalination, de-acidification, degassing, disinfection and the removal of unwanted substances such as iron and manganese.

The complex applications and process parameters in drinking water treatment require a large variance in measuring instruments and designs. With its comprehensive product portfolio, WIKA offers measurement technology for all elements of the plant.



Diaphragm seal systems



DPT-10 process transmitter with stainless steel case and two mounted 990.27 flange-type diaphragm seals

## Pressure measurement

With pressure measurement in abrasive or corrosive media, the measuring instrument can wear very quickly and must then be exchanged in short intervals. Flush diaphragm seal systems with various materials or coatings extend the service life significantly.

Here, WIKA offers a large number of diaphragm materials and coatings, as these allow individual adaptation to your processes. This reduces the costs for maintenance and replacement parts and makes your process safer and more efficient.

Diaphragm seal systems can be used in a variety of applications. For example, they monitor input and output pressures of pumps and ultrafiltration modules. Alternatively, they handle differential pressure measurement of transmembrane pressures and also the precise determination of levels in closed systems.

The high reliability of the entire instrumentation is a prerequisite for safe and economical operation.



## Level measurement

Measurement in vessels is one of the varied tasks in sensor technology. For the measurement of filling height, level, concentration of specific substances, density, layer separation or volume, there are a whole range of different measuring methods and sensors available.

The internal digital signal processing, combined with proven sensors, guarantees high accuracy and the best long-term stability.



**Submersible pressure sensors LF-1 and LS-10**



**Bypass level indicator BNA**

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