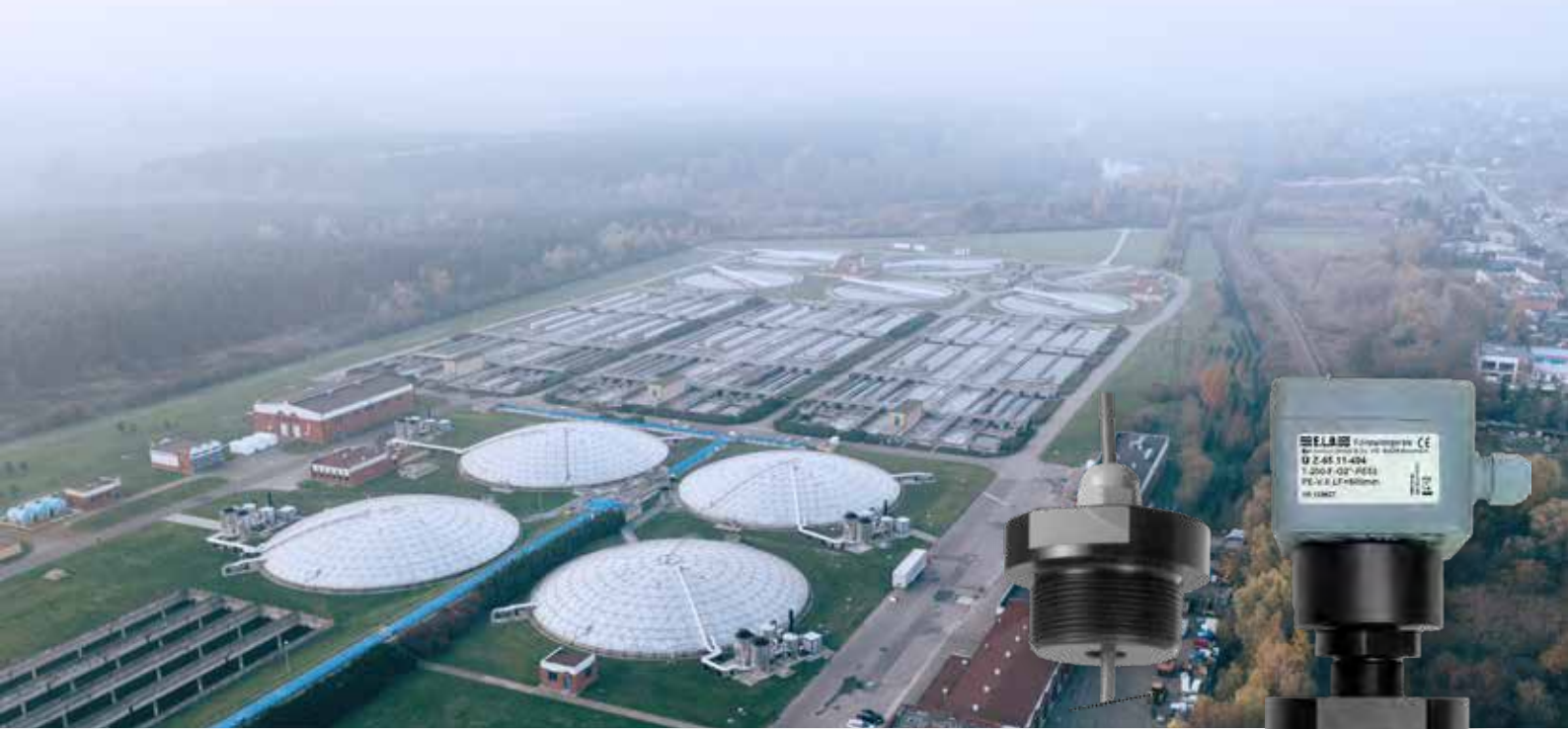


# ENVIRONMENTAL MONITORING

MONITORING SULPHURIC ACID / IRON(III) CHLORIDE WITH THE ALARM INDICATOR OAA300



SAFETY AND ENVIRONMENTAL TECHNOLOGY



T-200.F

The level detectors T-200.F... are approved as limit switches for overflow protection systems by the German Institute for Construction Engineering (DIBt) and are used for storing water-contaminating liquids. As soon as the level rises, the float switch activates the reed contacts installed in the guide tube through a magnetic system. Any change in resistance in the sensor circuit, triggered by switching, will then be evaluated by the system and the output relay will be activated. The wetted parts of the level sensors T-200.F... are entirely made of PE, PP, PVC, PVDF. This makes the level sensors T-200.F... ideal for use in tanks storing extremely aggressive media.

The leak detectors T-200.L are approved by the German Institute for Construction Engineering (DIBt) for detecting leaking, water-contaminating liquids in accordance with the regulation "WasBauPVO". This regulation determines the qualification of construction products and types under German Water Law. Our leak detectors T-200.L can be used for the following applications:

- ✓ As leakage sensors between a tank and its collection tray:  
The float of the leakage sensor is located on a stop ring below the set switching point and actuates the reed contacts in the guide tube with the mounted permanent magnets.
- ✓ Inside the float:  
If the float is pushed up by the rising liquid level, the reed contact switches and triggers the alarm.



T-200.L



EF2

The conductive electrode EF2 is approved for use as an overflow protection for water contaminating liquids by the German Institute for Construction Engineering (DIBt). Depending on the requirements, the EF2's screw connection and pipe are made of PE, PPH, PVC or PTFE. The electrode rods are made of stainless steel 1.4571, Hastelloy C, titanium or tantalum. This allows the conductive electrode to be used, even in very aggressive media.

The conductive plate electrode (model EP) for leakage detection is approved for monitoring collection chambers, retention tanks as well as inspection and filling shafts by the German Institute for Construction Engineering (DIBt). Depending on the requirements, the probe body is made of PE, PPH, PVC, PTFE or PVDF. The electrode tips are made of stainless steel 1.4571, Hastelloy B, Hastelloy C, titanium, tantalum or glassy carbon. In this way, the EP can also be used in connection with highly aggressive media.



T-200.L



**Below you can find an example of a system equipped with the optical and acoustic alarm indicator OAA-300. In total, 4 probes, installed in 2 tanks, are connected to the alarm indicator.**

The OAA-300 detects the signals of the connected level sensors / leakage probes and triggers an acoustic signal (acknowledgeable) and an optical signal (not acknowledgeable). In addition, the signal lines are monitored for line breaks / line short circuits.

OAA-300



The "TEST" function helps you check all connected level sensors / probes for proper function.

The "QUIT" function acknowledges the alarm on site.

The LEDs indicate the status of each level detector / probe, ensuring optimum monitoring:

- ✓ Green: Normal operation / alarm acknowledged / sensor OK
- ✓ Yellow: Overflow / leakage alarm
- ✓ Red: Line / measurement error

