



# Microprocessor transmitter/ switching device for pH/Redox voltage and temperature

With a 2-line LCD for mounting on a 35 mm DIN rail

Depending on the configuration, the instrument measures and regulates the pH-value or the Redox voltage in aqueous solutions. Typical applications are in general water and wastewater management, measurement of drinking water, process water, surface water and sea water, swimming pool and well water, aquariums, etc.



## Operation - pH measurement

It is possible to connect both, pH combination electrodes as well as glass electrodes with a separate reference electrode. There are two possible connection types:

- asymmetric high-resistance (the common variant)
- symmetric high-resistance

The symmetric connection can facilitate a more stable measurement in electrically disturbed media (e.g. from insulation problems of electrical operating equipment, pumps etc.).

The temperature compensation of the pH-value is achieved through the automatic measurement of the temperature over the second input or by manually inputting the value.

## Operation - Redox measurement

It is possible to connect both - Redox combination electrodes as well as metal electrodes with a separate reference electrode. The display can be either in mV or freely scaled.

## Calibration - pH-value measurement

- Single-point calibration
- Two-point calibration

## Calibration - Redox measurement

- Single-point calibration with mV display
- Two-point calibration with display in % (free-scale)

## Calibration timer

The calibration timer indicates when a userdefined routine calibration interval has been reached. The number of days after the timer alarm is triggered is adjustable (plant specification or specification of owner-operator).

## FEATURES

- Can be changed over from pH to mV / ORP (Redox voltage)
- 2 galvanically isolated analog outputs 0(4)...20mA / 0(2)...10V freely configurable as actual value output for pH, Redox or temperature