

# SCM 211/212

## pH/redox transmitter

- ▶ *pH/redox to 4-20mA-signal conversion*
- ▶ *Span and offset calibration*
- ▶ *Temperature compensation*
- ▶ *Galvanic isolation of inputs and outputs*

### Description

SCM 211/212 is an industrial transducer which outputs 4-20mA current signal proportional to input voltage pH/redox signal. Transducer's inputs are galvanically isolated from its output; it may be supplied in wide range of power supply voltages; it has large input impedance; it enables span and offset calibration, and manual and automatic temperature compensation as well. It is housed in waterproof IP65 plastic case for wall mounting.



Galvanic isolation eliminates disturbances caused by ground potential variations, what is very important when it is known that potential of two different grounds in some cases can within even a couple of hundreds volts.

### Application

SCM 211/212 pH/redox transmitter is used for accurate and stable pH/redox measurements in systems for:

- Waste water treatment
- Process automation (e.g. food and chemical industry)
- Remote monitoring of rivers and lakes pollution

### Specifications

<b>Input</b>	- pH probe - Pt1000 (1000 Ohm RTD) temperature sensor for automatic temperature compensation
<b>Output</b>	- 2W 4-20mA current loop, 12-30VDC - Offset adjustment: $\pm 1$ pH - Span adjustment: $\pm 20\%$
<b>Accuracy</b>	Better then $\pm 0.25\%$ of calibrated device
<b>Isolation</b>	1000V
<b>Loop protection</b>	Over-voltage and over-current with soluble fuse T100mA
<b>Power Supply</b>	12-24VDC max. 30mA
<b>Enclosure</b>	Plastic, IP65 protected