

## 2.8 Accessories for Measuring and Control Devices

### 2.8.1 Transmitter 4 ... 20 mA (Two-Wire System)

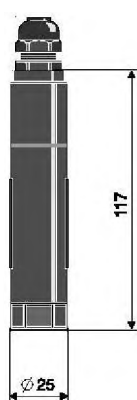
#### Benefits:

- Reliable signal transmission, even over large distances
- Interference-resistant 4 ... 20 mA signal
- Simple installation directly on the sensor

#### Typical applications:

Transmission of the measuring signal even over long distances and/or transmission of interference-resistant measured signals (e.g. pH, ORP) in conjunction with controllers type D1C, D2C and DULCOMARIN® or direct connection to PCs and/or a PLC. If using a PLC, it has to have an electrically isolated input.

#### pH measuring transducer 4 ... 20 mA type pH V1



pk\_5\_064

Measuring range	pH 0 ... 14
Measuring error	< 0.1 pH (typical $\pm 0.07$ pH)
Socket	SN6
Input resistance	$> 5 \times 10^{11} \Omega$
Signal current output	4 ... 20 mA $\approx$ -500 ... +500 mV $\approx$ pH 15.45 ... -1.45 not calibrated, not electrically isolated
Power supply DC	18...24 V DC
Ambient temperature	-5...50 °C, non-condensing
Enclosure rating	IP 65
Dimensions	141 mm (length), 25 mm ( $\varnothing$ )

#### Order no.

pH measuring transducer 4 ... 20 mA type pH V1

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#### ORP measuring transducer 4 ... 20 mA type RH V1

Measuring range	0 ... 1000 mV
Measuring error	< $\pm 5$ mV (typical $\pm 3$ mV)
Socket	SN6
Input resistance	$> 5 \times 10^{11} \Omega$
Signal current output	4 ... 20 mA $\approx$ 0 ... +1000 mV not electrically isolated
Power supply DC	18...24 V DC
Ambient temperature	-5...50 °C, non-condensing
Enclosure rating	IP 65
Dimensions	141 mm (length), 25 mm ( $\varnothing$ )

#### Order no.

ORP measuring transducer 4 ... 20 mA type RH V1

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#### Temperature measuring transducer 4 ... 20 mA type Pt100 V1

Measuring range	0 ... 100 °C
Measuring error	< $\pm 0.5$ °C (typical $\pm 0.3$ °C)
Socket	SN6
Input resistance	$\sim 0 \Omega$
Signal current output	4 ... 20 mA $\approx$ 0 ... +100 °C not electrically isolated
Power supply DC	18...24 V DC
Ambient temperature	-5...50 °C, non-condensing
Enclosure rating	IP 65
Dimensions	141 mm (length), 25 mm ( $\varnothing$ )

#### Order no.

Temperature measuring transducer 4 ... 20 mA type Pt 100 V1

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