

# SE603 CONDUCTIVITY SENSOR

## Conductivity Sensor for Corrosive Processes



### Overview

The SE603 is the ideal sensor for special chemistry applications and for a universal measuring range from pure water to 600 mS/cm. The design includes a fixed cable and integrated temperature detector.

#### KEY FEATURES

- High level of chemical resistance
- Large measuring range due to 4 electrode technology
- Measurement at high temperatures and pressures

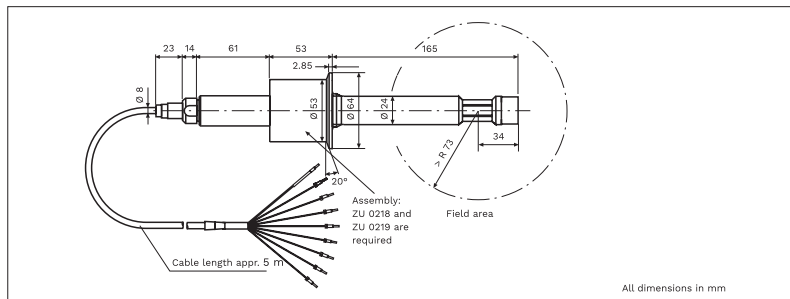
#### APPLICATIONS

- Corrosive chemical processes
- Bleaching liquors
- Oxidizing and heavily polluted materials
- Heat exchanger leakage

### Specifications

Dimension	Length	165 mm
	Process connection	ANSI flange
Ranges	Measurement	0.5 $\mu$ S/cm...600 mS/cm
	Cell constant	0.14...0.38 cm
	Temperature	32...248 °F (0...120 °C)
	Pressure	0...174 psig (0...12 bar)
Construction	Sensor material	Body: PTFE Electrodes: platinum
	Temperature detection	Pt 1000
	Cable	Fixed cable, 5 m

## Sensor Drawing Diagram



## Product Range

SE603 conductivity sensor

### Part Number

SE603

## Accessories

Gasket

ZU 0218

Conductivity standard

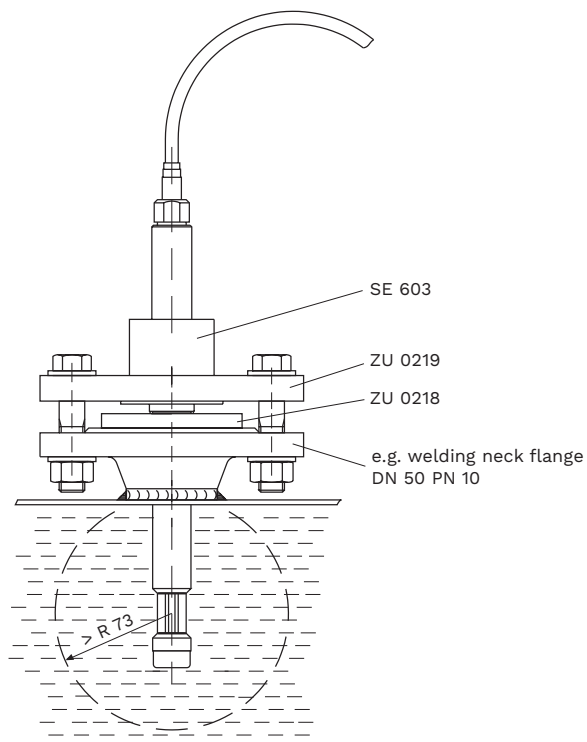
KCl 0.1 mol/l 12.88 mS/cm  $\pm$  1.5% 250 ml

ZU 0348

Calibration certificate

ZU 0320

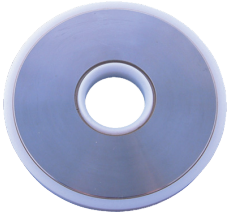
## Typical Assemblies



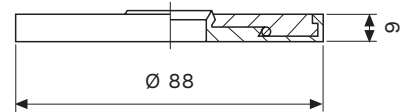
All dimensions in mm

**Accessories/Specifications**

ZU 0218 gasket	Material	PTFE/AISI 316 L
	Pressure	10 bar
	Temperature	248 °F (120 °C)
For installation with ZU 0219		



Dimensional Drawing



ZU 0219 flange	Material	AISI 316 L
	Process connection	DN 50, PN 10;
	Pressure	10 bar
	Temperature	1248 °F (120 °C)
For installation with ZU 0218		



Dimensional Drawing

