

SE655 TOROIDAL CONDUCTIVITY SENSOR

PEEK Toroidal Conductivity Sensor



Overview

The SE655 is the ideal sensor for heavily polluted media due to its high chemical resistance. The sensor is corrosion-resistant with an easy-to-clean design and a large sensor opening ideal for low-risk contamination and suitable for hazardous locations

KEY FEATURES

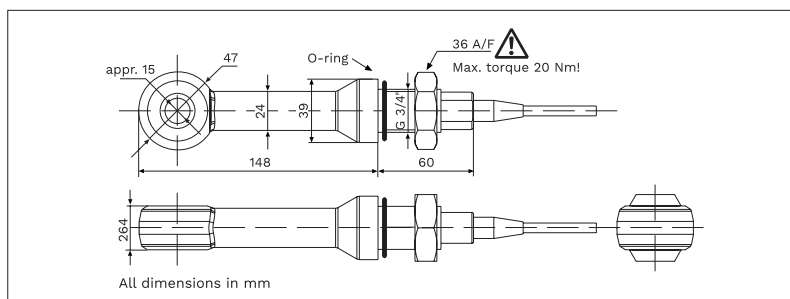
- Robust design
- No process-wetted electrodes
- High chemical resistance (PEEK)
- Steam-sterilizable
- CIP-capable

APPLICATIONS

- Acidic and alkaline solutions
- Heavily polluted media and waste water
- Coating forming and oil containing media
- Brine

Specifications		Memosens	Analog
Dimension	Length	148 mm	148 mm
	Process connection	G ¾" (NPT 1", ANSI 2", DN 50, each with adapter)	G ¾" (NPT 1", ANSI 2", DN 50, each with adapter)
Ranges	Measurement	0...2000 mS/cm	0...2000 mS/cm
	Cell factor	2/cm (≥30 mm distance to wall)	2/cm (≥30 mm distance to wall)
	Temperature	-4...257 °F (-20...125 °C)	-4...257 °F (-20...125 °C)
	Pressure	0...290 psig (0...20 bar)	0...290 psig (0...20 bar)
Construction	Sensor material	Cell: PEEK Gasket: FKM Viton	Cell: PEEK Gasket: FKM Viton
	Temperature detection	Pt 100	Pt 100
	Cable	Fixed cable, 3 m or 7 m	Fixed cable, 5 m
Certificates	ATEX certificate	II 1 G Ex ia IIC T4/T6	II 1 G Ex ia IIC T4/T6

Sensor Drawing Diagram



Product Range

			Part Number
SE655 conductivity sensor		G 3/4"	SE655
SE655X conductivity sensor		G 3/4"	SE655X
SE655 conductivity sensor	Memosens	G 3/4"	SE655N-GEFT0AM

Accessories

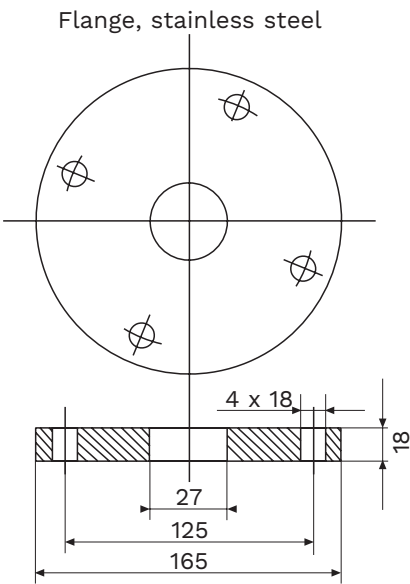
			Part Number
Flange DN 50 PN 16	Material: 316 L		ZU 0343
Flange DN 50 PN 10	Material: PVDF		ZU 0344
Sealing set A (spare parts)	Nut + FKM (Viton) O-ring (3 x)		ZU 0340N
Sealing set C	PTFE washer, DN 50 (protects ZU 0343 flange against aggressive media)		ZU 0342N
Conductivity standard*)	KCl 0.1 mol/l 12.88 mS/cm ± 1.5%	250 ml	ZU 0348
Calibration Certificate			ZU 0320

*) Observe instructions for use (field conditions)

Accessories/Specifications

316 L flange
ZU 0343

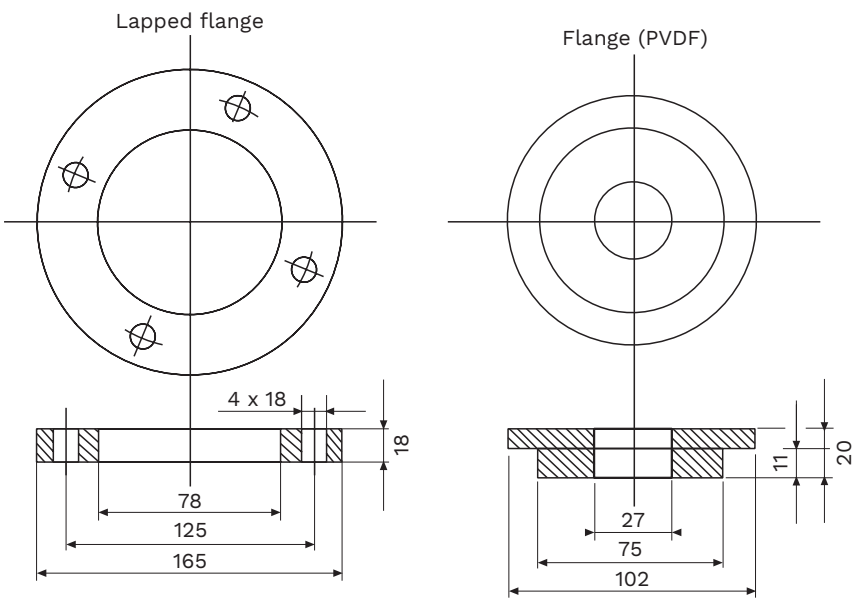
Dimensional Drawing



PVDF flange
ZU 0344

DN 50 PN 10

Dimensional Drawing



Overview of Accessories and Assembly

