

Sanitary Sensor 4147

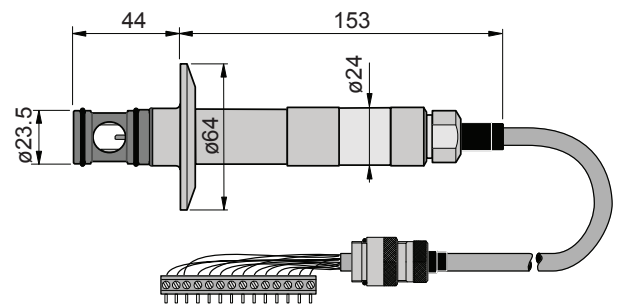
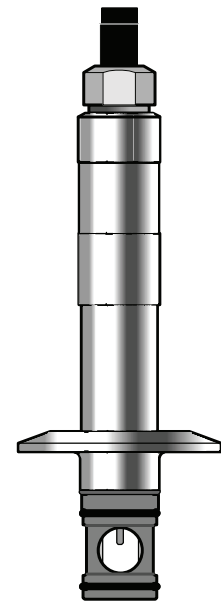
Sanitary flow type

4-electrode conductivity sensor with internal electrodes (resistant to acetone). Used with TCU series 3100 and 3300.

Mounting

- Mounting with 2" ISO 2852 clamp (not included) in a miniature flow chamber.
- Mount the flow chamber vertically.
- Flange equipped with a hole for a 2 mm guide pin to secure the correct flow direction.
- Make sure no air pockets or bubbles occur at the installation point.

Technical data	
Materials	PVDF, EPDM, silicone rubber and steel W 1.4404 (AISI 316L) Sensor top W 1.4404 (AISI 316L) Temperature sensor coated with PFA
Pressure	max. 10 bar at 130 °C (150 °C < 1h)
Cell constant	Sensor specific, factory calibrated Calibrated in a flow chamber
Accuracy	± 2 %
Meas. range	100...200 000 µS/cm
Linearity	± 3 % per decade
Temp. sensor	Pt 1000 (IEC 751 class A) Time delay T ₉₀ , 9 sec
Protection	IP65 splash-proof (DIN 40 050)
Sensor cable	PVC 12 x 0.25 mm ² screened max. temp. 70 °C
Cable length	Standard length 5 m COND15240/10 -> 10 m COND15240/15 -> 15 m
Connection	11-pole strip connector with MF20 cable adapter
Weight	1.0 kg
Flow chamber	volume 5.5 cm ³
Miniature flow chamber	
Id	Type 8190: 6 mm Type 8192: 10 mm
Accessories	
Clamp rings	8172: 2" ISO 8162: Mini
Extra O-ring	Type 513.33, 20.35 x 1.78 EPDM



dimensions in mm

Typical mounting

