

## CCI401X INDUSTRIAL CONDUCTIBILITY PROBE

CCI401X conductivity for industrial liquids applications. Suitable for direct insertion into pipes or tanks, also pressurized in industrial environments. Up to 130°C temperature at 16 bar g pressure rating. Fully SS 316 construction body with SS 316 or graphite electrodes. Two cells constants choosing withing to wide measuring range. RTD 100 Ohm temperature sensor built in to compensate conductivity. Rugged and sealed cable cord with four pins plug, easy to replace.



### Applications

- Chemical processes
- Measures of concentration
- Water treatment plants
- Plant Food
- Pharmaceutical industries
- Ultrapure Water for semiconductors
- Demineralization
- Osmosis
- Water boiler feed
- Thermal power stations

## DESCRIPTION

The cells CCI401X sensors are compact and extremely robust, with body in S.S. 316 and S.S. 316 measuring electrodes (K = 100 cm. - Range 0.04 ... 20 microS ) or graphite (K = 10 cm. - Range 0 ... 5000 microS ). It is important to install the cells so that the sample flow is toward the base of the cell: the sample flows from the bottom of the cell and flows from the upper holes (in this way you avoid trapping air bubbles ). The boiler must be installed in an area free of turbulence. The measurement of conductivity is calibrated in the laboratory, in the order, for full scale values , cell constant and set-point min. max or , in any case, all these values can be changed at any time by the user, according to the instruction manual of the conductivity transmitter. The only adjustment required to be made in start-up phase is the correction of the cell constant: to insert the cell in a solution of known conductivity and calibrate the measurement until you see the same value of the sample solution.



## TECHNICAL SPECIFICATIONS

Cell body:	S.S. 316
Measurement electrodes:	S.S. 316 per K = 100 cm and Graphite per K = 10 cm
Cell constant (cm):	K=10 , K=100
Measuring range:	K=10cm: 0...5000 microS; K=100cm: 0.04...20 microS
Working temperature:	-20...130 °C
Operative pressure:	max 16 bar @ 130 °C
Process connection:	threaded, 1/2" NPT
Cable :	4-pole, four-pole connector with tin, lengths on request, maximum 10 m
Dimensions :	diameter 40 mm, length 179.5 mm

**The instruments can be combined with these cells are the transmitter-indicator-regulator COND97P and COND97F**



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